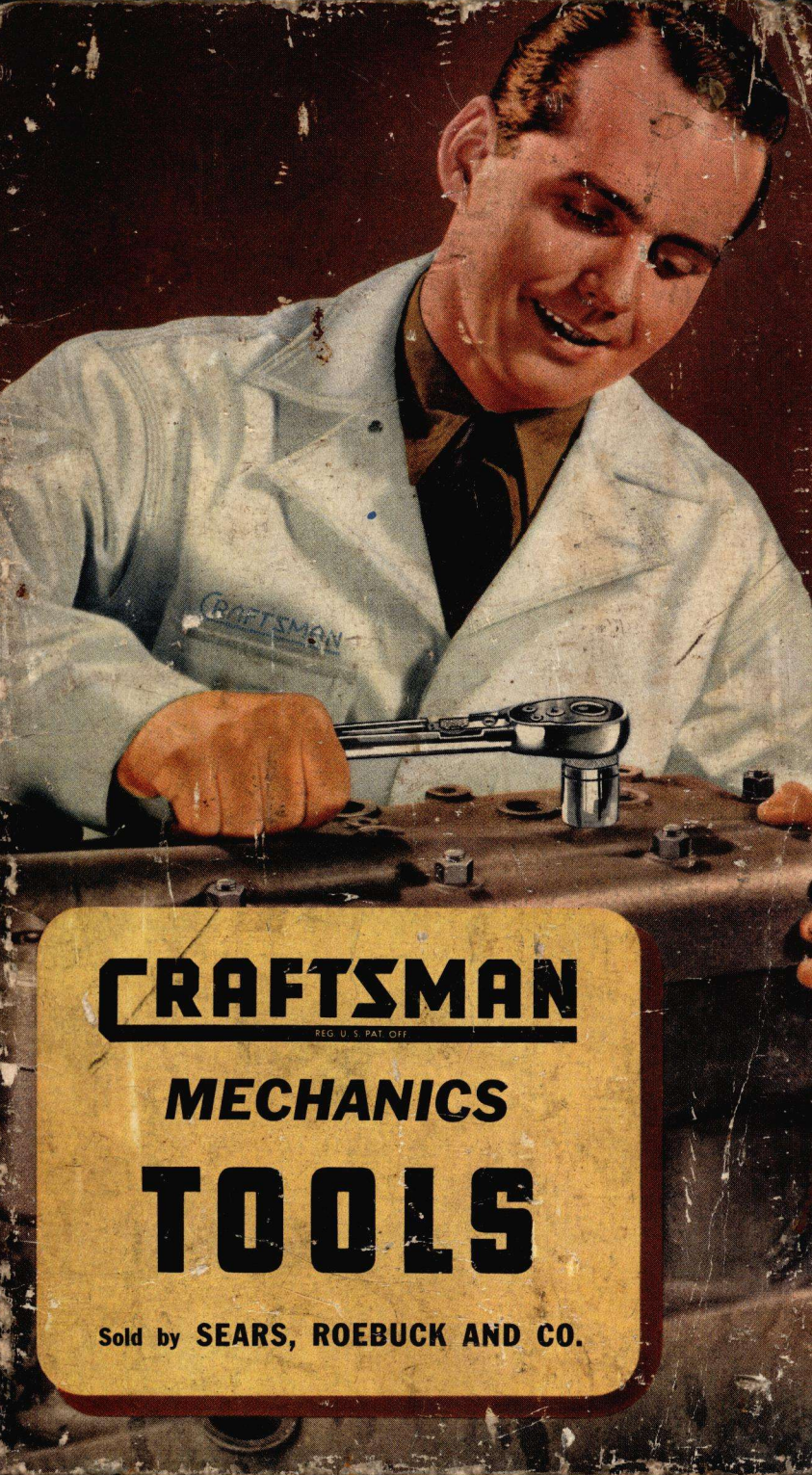
CRAFTSMAN
CRAFTSMAN
REG. U. S. PAT. OFF.
MECHANICS
TOOLS
Sold by SEARS, ROEBUCK AND CO.

CRAFTSMAN

THE GREATEST NAME IN TOOLS

FULLY GUARANTEED

CRAFTSMAN TOOLS are unconditionally guaranteed to be free from defective material or workmanship. Any tool that fails to give complete satisfaction will be replaced without charge.

SEARS, ROEBUCK AND CO.

YOU CAN'T BUY BETTER

Every buyer of CRAFTSMAN tools finds in this famous trade mark a trustworthy assurance of faithful performance by a product we believe to be America's finest. Only the finest alloy steels scientific metallurgy can produce, go into the manufacture of CRAFTSMAN tools. They are drop forged for strength . . . streamlined for perfect balance . . . superbly finished for more attractive appearance. CRAFTSMAN tools are carefully heat treated and hardened to render many years of satisfactory service. Be sure to make your next tool a CRAFTSMAN, and know that you cannot buy better.

YOU SAVE 30% AT SEARS

Every page of this book bears witness that we save you 30c on every dollar you spend. The entire cost of production goes into quality materials and better workmanship, not into salesman salaries or costly sales methods. Every tool you buy comes direct from factory, we pass this saving on to you.

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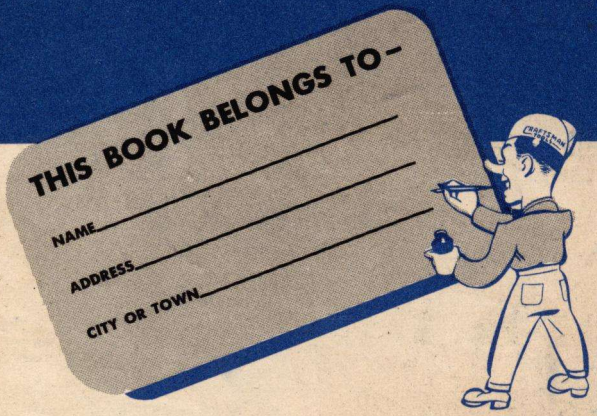
MECHANICS' TOOLS



GENERAL INDEX

Adapters—¼, ⅜, ½-in. drive.....16, 17
Bolt Cutters.....25
Blow Torches—gasoline.....35
Chains—hoist and tow.....48
Chisels—cold.....19, 26
Drills—breast and hand.....22
—sets and twist.....23, 39
Extensions—¼, ⅜, ½, ¾-in. drive....17
Flex "T" Handles—¼, ⅜, ½-in. drive. 16
Fender Tools.....40, 42, 43
Files.....28
Flaring Tools.....35
Grinders—hand.....23
—wire and grinding wheels...22
Hack Saws—frames and blades.....31
Hammers—ball pein, engineers, riveting, fender.....31, 43
Ignition Tools.....28, 29
Machinist Tools.....32, 33
Oil Cans.....35
Pliers.....23-25
Precision Tools.....32, 33
Punches—center, pin, prick, solid..26, 27
Ratchets—reversible; ¼, ⅜, ½, ¾-in. drive.....16
Screwdrivers.....28
Screw Extractors.....30
Slide Bar Handles—¼, ⅜, ½, ¾-in. drive.....16
Sockets—¼, ⅜, ½, ¾-in. drive....14, 15
Socket Wrench Sets.....12, 13
Soldering—irons.....35
Spark Plug Sockets.....14, 15
Speeder Wrenches—⅜, ½-in. drive...17
Tap and Die Sets.....30
Tool Boxes—chests, tote tray.....44, 45
Torque Wrench.....11
Universal Joint—⅜, ½-in. drive.....17
Valve Grinding Tools.....38, 39
Vises—garage and machinist.....48
Welders—acetylene, and accessories....34
Wrench Sets—adjustable, end.....21
—box end.....18, 19
—open end and tappet...29
—pipe.....21
—rim.....18

Important Notice About Sears Easy Payment Plan

If you are hard pressed to meet a sudden emergency don't let the lack of proper tools or the need of ready cash be the cause for failure. Go to your nearest retail store . . . right away! See our complete line of tools . . . ! Pick out the ones you need and arrange to pay for them in small monthly payments. **$2.00 down is all that is required on a $10.00 to $17.00 order.** You will find Sears prices the lowest anywhere . . . you can actually save as much, and even more, than the small cost of using Sears Easy Payment Plan, by taking advantage of the unusual savings offered in this book.

Important Notice About Prices

The low prices in this book will be maintained if possible. However, because of the uncertainty of raw material markets we cannot guarantee to maintain the prices shown, and we reserve the right to increase the price of any item if it becomes necessary to do so.

CRAFTSMAN THE GREATEST NAME IN TOOLS Master De Luxe

$95.00 Cash
COMPLETE
$8 DOWN

Heavy duty steel cabinet is the last word in design and utility. Rolls right up to the job on big, heavy duty rubber tired casters.

Folding steel door is equipped with a double duty cylinder lock, with 2 keys, for safe overnight storage of all your tools.

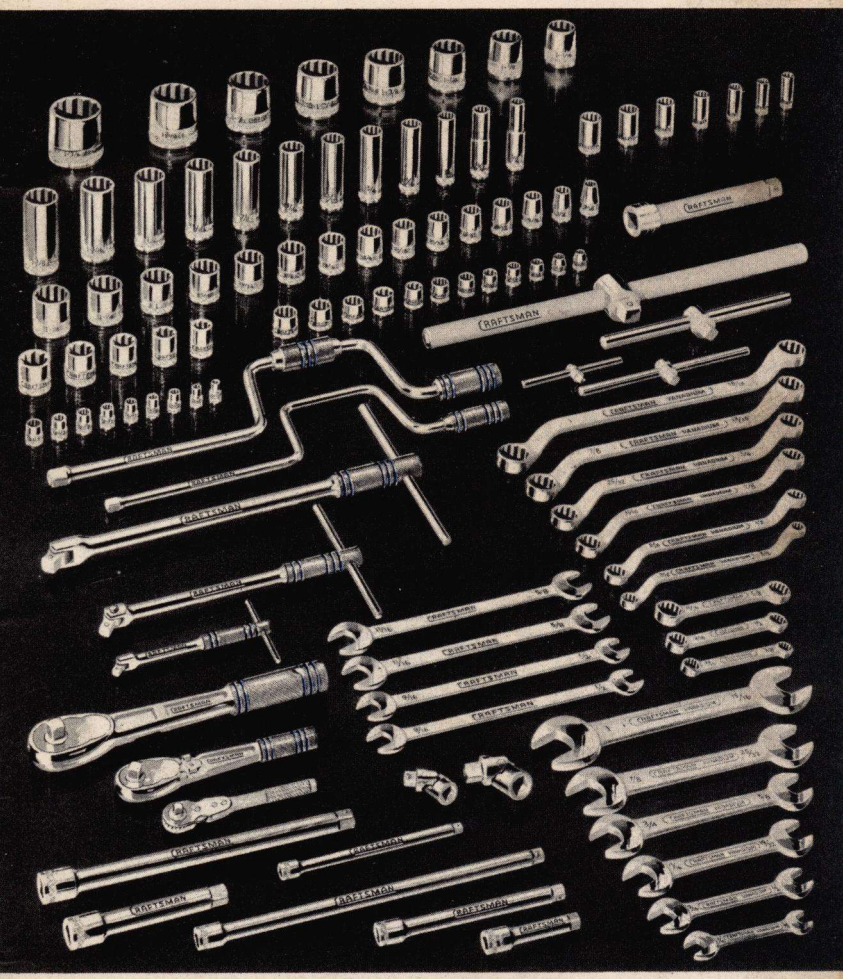
A Complete Set That Fills Every Need

The keynote of thrift today is to **BUY NOW** for the present and the future. And what could be a more profitable investment, or a better way to increase your earning capacity, than to buy this complete set of CRAFTSMAN tools. True, markets are advancing, but this only strengthens Sears determination to offer you the **finest, most complete socket wrench set money can buy at a saving of $20 to $50** compared to similar quality elsewhere.

Go to your local Sears store and examine this set part by part. Check features, specifications and work capacity. Notice the size, strength and balance of each tool . . . the tremendous assortment . . . **the industrial type chromium finish.** Note how each part is made from drop forged alloy steel, heat treated and hardened to give years and years of service. Inspect the super strong sockets. Notice the clean broaching . . . the extra thin walls. Then consider how many uses you can put this set to . . . the number of years it will last. You'll agree the original cost becomes negligible. And if you lack the ready cash . . . investigate the possibilities of Sears Easy Payment Plan. Pay only $8 down.

99 PC 4362—Complete 125-pc. set with roller cabinet..... **$95.00**
99 PC 4360—Roller cabinet only..... **$29.50**

125-Pc. Socket Wrench Set



Complete List of Individual Parts as Follows:

1/4-inch Square Drive Parts

4—12-pt. sockets (5/16 to 7/16 in.)
2—8-pt. sockets (1/4 and 5/16 in.)
3—6-pt. sockets (7/32 to 9/32 in.)
1—Reversible ratchet
1—6-inch extension
1—6-in. flex "T" handle (amber); cross bar
1—Sliding "T" handle

3/8-inch Square Drive Parts

5—8-pt. sockets (1/4 to 1/2 in.)
7—12-pt. sockets (3/8 to 3/4 in.)
7—Extra deep 12-pt. sockets (3/8 to 3/4 in.)
3—Extensions (3, 6, 11-in.)
1—17-inch speeder wrench
1—Slide bar handle
1—Reversible ratchet (amber h'dle); cross bar
1—Universal joint
1—10-in. flex "T" handle (amber); cross bar

1/2-inch Square Drive Parts

1 5—12-pt. sockets (7/16 to 1 1/8 in.)
5—8-pt. sockets (1/2 to 3/4 in.)
1 2—12-pt. spark plug sockets (1/2 to 1 1/8 in.)
2—Extensions (5 and 10-in.)
1—Slide bar handle

1/2-inch Square Drive Parts (contd.)

1—18-in. amber handle speeder wrench
1—15-in. flex "T" handle (amber); cross bar
1—Reversible ratchet (amber handle)
1—Universal joint

3/4-inch Square Drive Parts

8—12-pt. sockets (1 1/16 to 1 3/4 in.)
1—8-inch extension
1—18-inch slide bar handle

Miscellaneous Tools and Parts

6—Open end wrenches (7/16 to 1 in.)
2—Tappet wrenches (1/2 to 9/16 in.)
2—Tappet wrenches (5/8 to 11/16 in.)
6—Box end wrenches (3/8 to 1 in.)
3—Box end wrenches (3/8 to 11/16 in.)
1—8-in. adjustable wrench
6—Punches and chisels
1—16-inch pry bar
3—Amber handle screwdrivers (4 1/2, 6, 8-in.)
1—7-inch diagonal plier
1—Slip joint plier
2—Ball pein hammers (6-oz. and 1-lb.)
1—Amber handle hack saw
1—Steel roller cabinet as illustrated

CRAFTSMAN THE GREATEST NAME IN TOOLS Complete 90-Pc.

CRAFTSMAN

DeLuxe Tool Chest

Expensive tools need good protection and what could give you more security than this big super-strong tool chest. Heavy gauge steel door securely fastened by a double duty cylinder lock. Sturdy steel drawers glide on **easy action slide rails.** Will never stick or bind even under a full load. All seams reinforced and spot welded for extra strength. See page 44 for further details.

99 PC 4375 . . . . . $10.50

Meets U. S. Standard Specifications

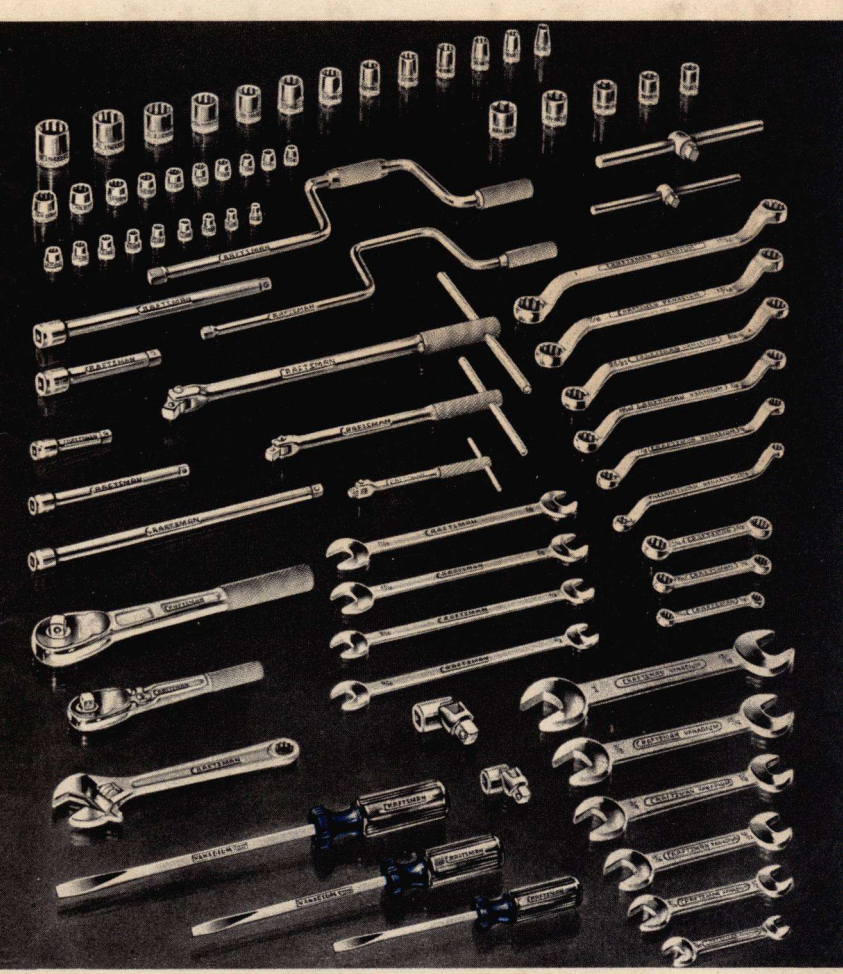
A complete 90-piece set of CRAFTSMAN tools for only $49.50 again demonstrates Sears ability to save you 30% compared to prices elsewhere. Mass production . . . simplified distribution and Sears tremendous purchasing power makes this low price possible.

CRAFTSMAN tools are noted for their improved design . . . efficient working capacity . . . great strength . . . scientific balance and long lasting chromium finish. **CRAFTSMAN tools are the best you can buy, at any price.** They are famous for their ability to do difficult work, with a maximum of speed and safety, even under the toughest operating conditions. Each tool is precision built with all working parts carefully machined to insure a perfect fit. Drop forged from **special alloy steel,** heat treated and hardened to stand up under the severe strain and hard use to which these tools are put. Heavily plated with industrial type chromium to further resist rust and wear.

Go to your local Sears store today and ask to be shown this set. Examine it part by part. Prove that this tool set is all we claim. See how the completeness, the wide range of sizes and special tools of this set gives you the right size and type tool to handle an unlimited number of repair jobs . . . efficiently . . . with less effort.

Don't let the lack of ready cash be cause for passing up this tremendous value. It is possible to use Sears Easy Terms—**pay only $5.00 down and get your set NOW . . .** Enjoy its use while paying for it. Remember when you buy CRAFTSMAN you are getting unchallenged quality at unparalleled low price.

Socket Wrench Set ¼ - ⅜ - ½ IN. SQUARE DRIVE



Complete List of the Individual Parts

1/4-inch Square Drive Parts

3—6-point Sockets (7/32 to 9/32-inch)
2—8-point Sockets (¼ and 7/16-inch)
4—12-point Sockets (5/16 to 7/16-inch)
1—6-inch Flex handle with cross bar

3/8-inch Square Drive Parts

7—12-point Sockets (⅜ to ¾-inch)
3—8-point Sockets (¼ to ⅜-inch)
3—Extension bars (3, 6 and 11-inch)
1—17-inch Speeder wrench
1—Slide bar handle
1—Reversible ratchet
1—Universal joint
1—10-inch flex "T" handle with cross bar

1/2-inch Square Drive Parts

1 3—12-point Sockets (7/16 to 1 1/16-inch)
5—8-point Sockets (½ to ¾-inch)
2—Extensions (5 and 10 inch)
1—Slide bar handle
1—18-inch Speeder wrench
1—15-inch Flex "T" handle with cross bar
1—Reversible ratchet
1—Universal joint

Miscellaneous Tools and Parts

6—Open end wrenches (⅜ to 1-inch)
2—Tappet wrenches (½ to 9/16-inch)
2—Tappet wrenches (⅜ to 11/16-inch)
6—Long box end wrenches (⅜ to 1-inch)
3—Short box end wrenches (⅜ to 11/16-inch)
1—8-inch adjustable wrench
6—Punches and chisels. 2 cold chisels (½, ¾-in.); center punch (⅜-in.); 2 pin punches (3/32, 1/8-in.); lining-up punch (½ x 9-in.)
1—16-inch Pry bar
3—Amber handle screwdrivers (4½, 6, 8-inch)
1—6-inch Long nose plier
1—7-inch Diagonal plier
1—8-inch Eagle claw slip joint plier
2—Ball pein hammers (6-ounce and 1-pound)
1—Amber handle-hack saw
1—Tool chest

99 PC 4377—Complete 90-piece set with the 99 PC 4375 tool chest as shown.....**$49.50**

99 PC 4399—Complete 90-piece set with new super deluxe tool chest 99 PC 4382 described on page 44.....**$58.50**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

48-Pc. De Luxe Socket Set

Includes 1/4, 3/8 and 1/2-Inch Square Drive Sockets

Thousands of these sets are being sold every year. They are a favorite of mechanics everywhere. Help speed up production. 34 sockets completely cover a range of work from ¼ to 1⅛ inches. All parts expertly made from special alloy steel, unsurpassed for strength and wearing qualities. The **shatterproof, shockproof amber handles are a feature possessed by no other make of tools.** Give you an extra firm grip . . . easy on the hands.

New type, hip-roof tool box with removable tote tray. Divided top makes all tools easily accessible from either side . . . a real convenience. Another special feature is the full length chromium plated handle which permits easy carrying without having to close box. Complete with lock and two keys. See this beautiful set reproduced in full natural color on the inside back cover of this book.

1/4-inch Square Drive

4—12-point Sockets (7/16 to 7/8-inch)
3—6-point Sockets (1/2 to 9/16-inch)
2—8-point Sockets (¼ to 9/16-inch)
1—Reversible ratchet
1—6-inch Flex' "T" handle with 3-inch cross bar (2 pieces)

3/8-inch Square Drive

6—12-point Sockets (7/16 to ¾-inch)
1—8-point Socket (3/8-inch)
1—10-inch Flex "T" handle with 6-inch cross bar (2 pieces)
1—Reversible ratchet

1/2-inch Square Drive

13—12-point Sockets (7/16 to 1⅛-inch)
5—8-point Sockets (½ to ¾-inch)
1—Short extension (5-inch)
1—Long extension (10-inch)
1—Reversible ratchet
1—Slide bar handle
1—Speeder (18-inch)
1—15-inch Flex "T" handle with 8-inch cross bar (2 pieces)
1—Metal box

99 PC 4372—Complete 48-piece wrench set..... **$26.50**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

43-Piece Set

1/4, 3/8, 1/2-In. Drive Sockets

Any mechanic who has learned the value of detachable socket wrenches in auto repairs, assembly work, etc., will appreciate this set. Sockets are thin, straight wall type, permitting work in very close places. Low priced but quality has not been sacrificed. Parts of special alloy steel, tempered, hardened. Lift-out tote-tray.

13—**1/2-inch Square drive** 12-point sockets, 7/16 to 1 1/16 inch.
7—**3/8-inch Square drive** 12-point sockets, 3/8 to 3/4 inch.
9—**1/4-inch Square drive** midget sockets, 7/32 to 7/16 inch.
2—Extension bars (5 and 10-inch).
1—Reversible ratchet (1/2-inch drive).
1—Reversible ratchet (3/8-inch drive).
1—Reversible ratchet (1/4-inch drive).
3—Flex "T" handles (1/4, 3/8 and 1/2-inch square drives) with cross bars (6 pieces).
1—Slide bar handle (1/2-inch drive).
1—18-inch speeder wrench (1/2-inch drive).
1—Metal box, 18 1/2x5 3/4x5 1/2 inches.

99 PC 4371—43-pc. Set Complete..... **$20.50**

31-Piece Set

1/4, 1/2-In. Drive Sockets

You save $8.00 over prices others usually ask for similar quality. Same super quality construction as set at left. Set contains carefully selected parts for the mechanic who wishes to lay a foundation for a complete tool kit. Add matching parts any time. Complete in 20-gauge steel box with lift-out tote-tray, midget set and box.

1/2-inch Square Drive Parts

11—12-point Sockets, 7/16 to 1 inch.
1—5-inch Extension
1—10-inch Extension
1—Adapter
1—Ratchet wrench
1—12-inch Flex "T" handle.
1—8-inch Cross bar
1—18-inch Speeder wrench
1—Slide bar handle

1/4-inch Square Drive Parts

9—Midget sockets, 7/32 to 7/16 inch
1—6-inch Flex "T" handle
1—3-inch Cross bar
1—Metal box, 18 1/2x5 3/4x5 1/2 inches.

99 PC 4366—31-pc. Set Complete..... **$12.95**

CRAFTSMAN 17-Pc. Socket Set

THE GREATEST NAME IN TOOLS

½-INCH SQUARE DRIVE

Usual Price for Similar Quality, $11.50

Sears outstanding low price saves you $3.55 compared to prices elsewhere. Treat yourself to the satisfaction of working with a really good spinner set. Then you'll know why this set has become so popular with mechanics faced with the problem of getting more work done in less time. **Sockets are the thin, straight-wall type;** made from tough alloy steel. Individually heat treated and hardened. Soundly designed for strength and durability. All pieces finished in highly polished, industrial type chromium. Complete in a heavy gauge metal box with attractive blue crackle finish.

1/2-inch Square Drive

- 11—12-point sockets, 7/16 to 1 inch
- 1—12-inch flex "T" handle
- 1— 8-inch cross bar
- 1—standard ratchet and adapter
- 1—5-inch socket extension
- 1—10-inch socket extension
- 1—metal box

9 PC 4370—17-Piece Set..... **$7.95**

CRAFTSMAN 12-Piece Nut Spinner Set

$4.75 A set like this would cost you $7.00 elsewhere. Same fine quality as in larger sets. Thin, straight wall sockets so popular with repair men, enables you to get into tight places. Keyless lock-in feature gives you the same service as a one-piece tool. An ideal set for mechanics just starting out! Packed in a heavy steel tool box.

1/2-inch Square Drive

- 10—12-point sockets, 7/16 to 15/16 inch
- 1—15-inch flex "T" handle
- 1—cross bar

9 PC 4405—12-Piece Set..... **$4.75**

CRAFTSMAN 20-Pc. Socket Set

THE GREATEST NAME IN TOOLS

3/8-INCH SQUARE DRIVE

$9.50

"Fit-Mor" Wrenches. Unsurpassed for Efficiency

Sets like this usually sell for $12 elsewhere. Only tremendous production makes Sears low money saving prices possible. Thousands of these sets are now in use in all parts of industry as standard equipment. The slender handles and thin wall sockets fit into more tight, out-of-the-way spots than any other style. Unusually handy in very cramped places on modern cars. Made from tough alloy steel. Bright chromium finish, very rust resistant. Complete in heavy gauge metal box.

3/8-inch Square Drive

7—12-point sockets, 3/8 to 3/4 inch
3— 8-point sockets, 1/4 to 3/8 inch
1—16-inch speeder wrench
1—10-inch flex "T" handle
1—cross bar
1—6-inch reversible ratchet
1—slide bar handle
1—universal joint
3—extensions; 3, 6, and 11 inch
1—metal box

9 PC 4407—20-Piece Set..... **$9.50**

CRAFTSMAN 12-Pc. Set

$3.50

This quality $6.85 elsewhere! Same high quality as the above set only fewer pieces. Basically this set is ideal for the home mechanic, as matching pieces can always be added as your needs arise. See page 15 for complete list of parts. Will handle large precentage of jobs around motor, transmission, etc. Complete in heavy metal box, crackle finish.

3/8-inch Square Drive

7—12-point sockets, 3/8 to 3/4 inch
3— 8-pt. sockets, 1/4 to 3/8 inch
1—10-inch flex "T" handle
1—cross bar

9 PC 4408—12-Pc. Set..... **$3.50**

¼-INCH SQUARE DRIVE CRAFTSMAN Sets

THE GREATEST NAME IN TOOLS

16-Piece Set

12-Piece Set

Midget Wrench Sets for Tiny, Tricky Jobs

Refrigerator, oil burner, ignition, air conditioning, etc. . . . all trades choose this set because of its completeness. Makes small, difficult repair jobs easy. Made of tough alloy steel to give the extra strength needed in this type of set. Chromium plated finish. Extra thin sockets.

1/4-inch Square Drive Parts

4—12-point sockets, 5/16 to 7/16 inch
2—8-point sockets, ¼ and 5/16 inch
3—6-point sockets, 7/32 to 9/32 inch
1—6-in. reversible ratchet
1—6-in. slide bar handle
1—Flex "T" handle
1—Cross bar for flex "T" handle
1—Flex spinner handle (amber grip)
1—6-in. extension
1—Metal box

9 PC 4368—16-pc. Set **$5.45**

You save $2.00 compared to prices elsewhere for similar quality. For convenience and utility on all jobs no mechanic should be without this set; especially if doing carburetor, ignition or radio work. Contains all the parts necessary to do a small job in a big way. Tough alloy steel, heat treated and hardened for strength. Chromium plated finish for wear. Sockets made extra thin to fit close, tight places.

1/4-inch Square Drive Parts

4—12-point sockets, 5/16 to 7/16 inch
2—8-point sockets, ¼ and 5/16 inch
3—6-point sockets, 7/32 to 9/32 inch
1—Flex "T" handle
1—Cross bar for flex "T" handle
1—Metal box

9 PC 4406—12-pc. Set **$2.19**

CRAFTSMAN Torque Wrench

THE GREATEST NAME IN TOOLS

½-INCH SQUARE DRIVE

Highly sensitive gauge registers the correct amount of tension developed by the torque wrench in tightening assembly bolts, cap screws, etc.

Quick, easy and accurate reading of either horizontal or vertical scale can be made regardless of working angle or position of operators hands. A feature which makes the CRAFTSMAN America's most outstanding torque wrench.

More Needed and Used Than Any Other Wrench

Advanced motor design has created the necessity for a tension measuring gauge. The terrific strain developed by excessive tightening of bolts and cap screws can easily distort cylinder heads, connecting rods, main bearings, etc., causing costly breakdowns and customer "kick-backs." Therefore, in order to eliminate errors in motor assemblies, various manufacturers have set up proper tensions or torques on their various machines.

Every mechanic needs a torque wrench to check nut tensions for correct recommended factory pressures. Accurate motor tune-up and precision assembly cannot be made without one. Current prices elsewhere prohibited most mechanics from enjoying the use of this **most** important and needed tool. Now, Sears make available this CRAFTSMAN torque wrench at a price every mechanic can afford to pay.

Soundly designed . . . ruggedly built . . . **unconditionally guaranteed.** Equal in quality to the finest, regardless of price. Capable of the performance required by the most skilled mechanic to safeguard his work at all times. **Simple and easy to use.** Just set in place and pull up nut until proper tension or torque is registered.

Readings guaranteed to remain accurate the entire life of the wrench . . . individually checked on a torque tester before leaving factory. Each part made from highest quality alloy steel, accurately heat treated and machined. No moving parts to wear out. Permanent rust resisting chrome finish. Overall length, 19 inches. Packed in steel box with a complete set of instructions and list of recommended torques for autos and trucks.

9 PC 4448—½-inch Square Drive Torque Wrench..... **$6.95**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

¾-INCH SQUARE DRIVE 11-Pc. Heavy Duty Set

Extra Rugged for Truck, Tractor and Bus Jobs

Don't risk the chance of losing a profitable repair job for lack of proper tools. This dependable set is constructed and designed for extra heavy duty work and makes a valuable addition to any garage or repair shop equipment. Powerful heavy duty handles and sockets are just the tools needed for repairs and assemblies of trucks, tractors, combines, farm machinery, graders, paving machinery, etc.

When building this heavy duty set we kept in mind the tough jobs you mechanics are faced with from time to time . . . breakdowns . . . assembly work . . . machinery installation, etc. Regardless of the job, you need tools that will stand up and give 100% performance on those heavy duty jobs when the unusual is required. Each tool has been heat treated and tempered for long life under extreme strain and punishment.

Durable chromium plating to prevent rusting. Precision hex broaching and straight side walls to give a secure yet easy fit. You'll find this socket set the **finest money can buy**—the kind you'll be proud to own. CRAFTSMAN tools never let you down. Buy your set now, for Sears low price puts this set within reach of every mechanic, garage and shop owner. Set is compact and is easily carried about from one job to another. Packed in heavy steel box with blue crackle finish.

3/4-inch Square Drive

7—12-point Sockets, 1 1/16 to 1 5/8-inch
1—18-inch Slide bar
1— 8-inch Extension
1—16-inch Extension
1—Heavy steel box

99 PC 4440—11-Piece Set Complete **$12.50**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

3/4-INCH SQUARE DRIVE Sockets, Attachments

8-in. Extension—3/4-in. Square Drive

Ⓐ Forms an extra tool when used in connection with ratchet or other handles.
9 PC 4441—Regular $2.25 quality elsewhere.... **$1.29**

16-in. Extension—3/4-in. Square Drive

Ⓑ Its extra length makes it possible to reach those hard-to-get-at, troublesome nuts. Saves plenty of time on the hard jobs.
9 PC 4442—Regular $3.15 quality elsewhere... **$1.69**

18-in. Slide Bar for 3/4-in. Square Drive

Ⓒ Forms a strong individual wrench when attached directly to the head of the "T" handle. Its sliding handle permits many combinations and enables you to work in extremely close places. Finished in rust-resisting chromium.
9PC 4443—Regular $2.85 quality elsewhere.... **$1.98**

Reversible Ratchet—3/4-in. Square Drive

Ⓓ An exceptionally handy tool and no set is complete without one. Speeds up production. To reverse the action simply turn lever on top of wrench head. The quality put into this tool makes it the most outstanding ratchet ever made. Has smooth ratchet action. Chromium plated.
9 PC 4480..... **$8.50**

12-Pt. Hex Sockets

Ⓔ When you buy CRAFTSMAN sockets you get only the finest in workmanship and design . . . at prices less than others ask for similar quality. Heavy duty type. Special alloy steel, heat treated for extra strength. Cleanly broached walls for a bull dog grip. Rust-resisting chromium finish.

9 PC 4444—3/4-in. Drive

Size	Others Ask	Sears Price
1 1/16-in.	$1.05	$0.69
1 1/8-in.	1.05	0.75
1 1/4-in.	1.35	0.89
1 3/8-in.	1.55	1.00
1 7/16-in.	1.65	1.09
1 1/2-in.	1.80	1.19
1 5/8-in.	2.00	1.25
1 11/16-in.	2.40	1.69
1 3/4-in.	2.45	1.79
1 13/16-in.	2.60	1.98
1 7/8-in.	2.85	2.15
2-in.	3.25	2.50

½-INCH SQUARE DRIVE CRAFTSMAN THE GREATEST NAME IN TOOLS Sockets

CRAFTSMAN 1/2-inch Drive 12-Pt. Hexagon Sockets...Chromium Plated

CRAFTSMAN sockets are structurally better and have tremendous strength. Forged from special analysis alloy steel with smooth, clean cut, accurately broached side walls. Light weight super thin wall construction allows plenty of room in tight places. **29c**

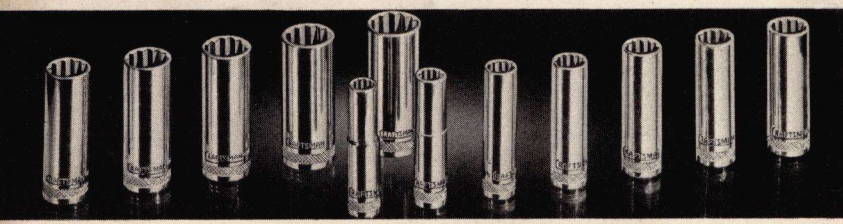
9 PC 4421—Sizes, 7/16, ½, 9/16, 19/32, ⅝, 21/32, 11/16, ¾, 13/16 in. ½-in. square drive. Each.....**29c**
Sizes, ⅞, 29/32, 15/16, 1, 1 1/16, 1⅛ in. ½-in. square drive. Each.....**39c**

9 PC 4398—Complete 15-pc. set in handy metal tray. One each of above sockets.....**$4.95**

CRAFTSMAN 1/2-inch Drive 8 -Pt. Sockets for Square Nuts

All CRAFTSMAN sockets are made to one high quality standard. Guaranteed to give you performance and all around satisfaction which every good mechanic expects.

9 PC 4422—Sizes, ½, 9/16, ⅝, 11/16, ¾ in. ½-in. square drive. Each.....**35c**



CRAFTSMAN Extra Deep Spark Plug Sockets

For use on all makes of cars. 12-pt. broaching. Forged from special alloy steel for extra strength, heat treated and tempered for long wear. Chromium plated. Buy **NOW** and Save!

9 PC 4424—Individual sockets. 1/2-in. Square Drive.

½-inch	59c	¾-inch	69c	15/16-inch	89c
9/16-inch	59c	25/32-inch	69c	1-inch	98c
⅝-inch	65c	13/16-inch	75c	1 1/16-inch	$1.10
11/16-inch	65c	⅞-inch	79c	1⅛-inch	1.15

9 PC 4383—Complete 12-piece set including 11 spark plug sockets (sizes ½-in. to 1⅛-in.) and ell handle 9 PC 4402 (Page 16). In handy metal box.....**$9.50**

9 PC 4423—5-piece set. Most popular sizes; 13/16, ⅞, 15/16, 1, 1⅛ inch.....**4.25**

12-Point Flex Sockets

12-pt. sockets and universal joints combined. These sockets work freely at any angle. ¾-in. size broached extra deep to fit Acorn nuts on Packard cars. Forged from special alloy steel. Chromium plated to resist rust.

9 PC 4404—1/2-inch Square Drive

⅝-in...**$1.35**; 11/16-in...**$1.35**; ¾-in...**$1.35**

Drag Link Sockets

Indispensable screwdriver type socket for tightening slotted nuts on steering gear assemblies, shock absorbers, etc. Larger sizes for trucks. Forged from special alloy steel for strength. Chromium plated to resist rust.

9 PC 4451—1/2-inch Square Drive

9/16-in....**35c**; 15/16-in....**45c**; 1 3/16-in....**55c**

CRAFTSMAN Sockets 3/8 AND 1/4-INCH SQUARE DRIVE

THE GREATEST NAME IN TOOLS

You Cannot Buy Better Sockets—3/8-inch Square Drive

Replace your old or worn out sockets NOW! Step up efficiency and production. Super thin wall construction enables CRAFTSMAN sockets to get into the tight, hard-to-get-at places where many others can't. Strength has not been sacrificed because there are no stronger sockets made than CRAFTSMAN. Forged from special alloy steel, heat treated and tempered to last many years. Chromium plated finish. Precision broached for a perfect, snug, slip-proof grip. Buy all the sockets you need **NOW** and save.

8-Point Square Sockets

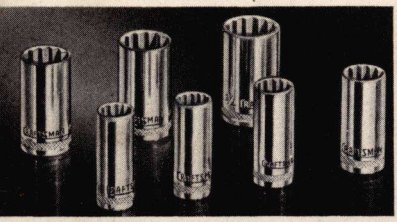
Sizes: 1/4, 5/16, 3/8, 7/16, 1/2-inch.

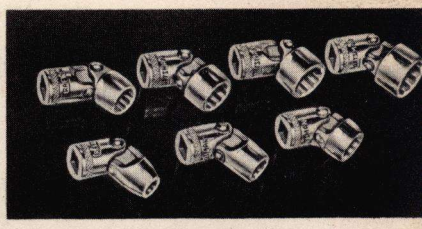
9 PC 4434—Each..... **21c**

12-Point Hexagon Sockets

Sizes: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4-inch.

9 PC 4433—Each..... **21c**





12-Pt. Hex Extra Deep Sockets

Straight, thin wall, super strong, double broached sockets. Forged from special alloy steel. Chromium plated.

9 PC 4438—3/8-inch Square Drive

3/8-inch	29c	5/8-inch	45c
7/16-inch	29c	11/16-inch	49c
1/2-inch	35c	3/4-inch	55c
9/16-inch	39c		

9 PC 4317—7-piece Set. Sizes 3/8 to 3/4-inch inclusive. In metal box..... **$2.69**

12-Point Flex Sockets

Small over-all measurements allow freedom of action in tight places, working at any angle up to 90 degrees. Forged from special alloy steel, tempered and hardened. Machined for positive action.

9 PC 4439—3/8-inch Square Drive

3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4-inch. Each..... **$1.09**

9 PC 4381—7-piece Set. One each of the above sizes. In metal box..... **$7.75**

1/4-inch Square Drive Midget Sockets

CRAFTSMAN midget sockets are unrivaled for strength and performance. Specially designed for ignition, carbureter, radio, electrical work, etc. Forged from special alloy steel, accurately machined, and extra thin to fit close places. Chromium plated.

9 PC 4351—8-Point Sockets

Sizes: 1/4, 15/16-inch.

Each..... **15c**

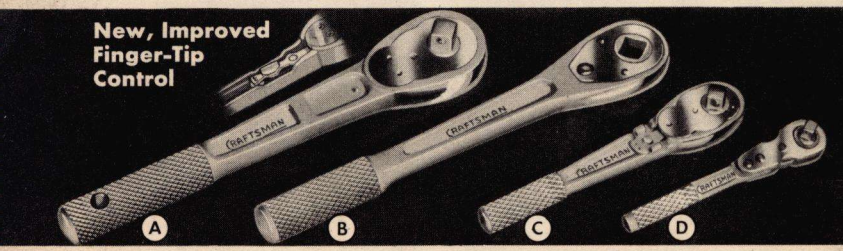
9 PC 4350—12-Point and 6-Point Sockets

12-point. 5/16, 11/32, 3/8, 7/16-inch. Each..... **15c**

6-point. 7/32, 1/4, 9/32-inch. Each..... **15c**

CRAFTSMAN Socket Wrench

THE GREATEST NAME IN TOOLS



Buy CRAFTSMAN Ratchets and Save 33-1/3%

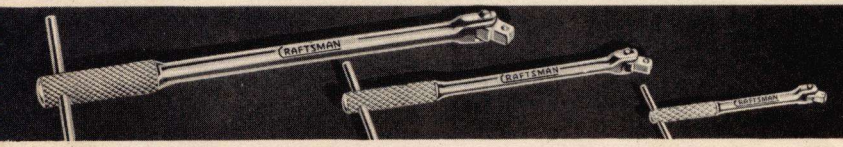
CRAFTSMAN ratchets are among the **finest tools** of their kind. Like all CRAFTSMAN tools they are **fully guaranteed.** Have fully protected reversing lever; no chance of tripping when used in close places. Ratchet works free and easy. Action instantly reversed by slight thumb pressure of the hand holding tool—a feature not found on many other ratchets. Full drop forged **chrome vanadium** steel construction. Chromium finish.

Ⓐ **1/2-in.** square drive reversible ratchet. Length, 10-inches.
9 PC 4419....$3.25

Ⓑ **1/2-in.** square drive ratchet. Not reversible. 10-inches.
9 PC 4417....$1.75

Ⓒ **3/8-in.** square drive reversible ratchet. Length, 6-inches.
9 PC 4429....$2.25

Ⓓ **1/4-in.** square drive reversible ratchet. Length, 4½-inches.
9 PC 4495....$1.45



CRAFTSMAN Chrome Vanadium Steel Flex "T" Handles

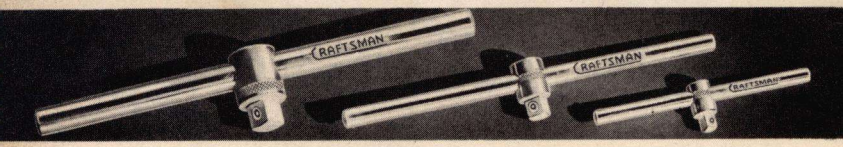
1/2-in. Square Drive. The hinged socket permits tool to be held at any angle to clear obstructions. Long handle provides plenty of leverage. With cross bar.

9 PC 4420—Two sizes.

	15-in.	18-in.
Length.....		
Each.....	$1.45	$2.19

3/8-in. Square Drive. May be used as an extension, an offset handle, nut spinner or with cross bar as a "T" handle. A great time and money saver. With knurled handle for a firm, slip-proof grip. Overall length, 10 inches.
9 PC 4436.....$1.25

1/4-in. Square Drive. Handy midget size. As a spinner handle it can be rolled between palms of hands to speed on nut, then swung to right angles for tightening pull. Chromium finished. 6 inches long.
9 PC 4352.....75c



CRAFTSMAN Slide Bar Handles

One of the most useful wrench handles made. In tight places handle may be slid back and forth through socket to provide extra leverage without removing tool from work. Use with extension to make T or L handle. **Chrome vanadium steel.** Chromium finish.

1/2-in. Square Drive
9 PC 4415—Lgth., 9 in..**85c**
Length, 15 inches.....**95c**

3/8-in. Square Drive
Length, 8 inches.
9 PC 4428.....65c

1/4-in. Square Drive
Length, 4¼ inches.
9 PC 4354.....45c

8-in. Ell Handle

Both ends milled **1/2-inch** square; friction balls and springs. 1½-inch bend allows plenty of knuckle room. It is handy for use with spark plug sockets. **Chrome vanadium steel.**
9 PC 4402.....59c

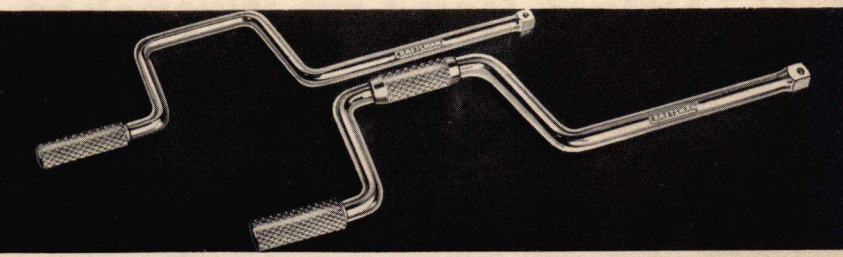
4-in. Flex Extension

1/4-in. square drive for midget sets. For speed you can't beat this tool where small nuts must be turned in hard-to-reach places. Made of the best flexible cable. Chromium finish.
9 PC 4336.....69c

Midget Screwdriver

Will fit any **1/4-in.** square drive adapter. Especially useful when working in close places. Use with ratchet, spinner, sliding "T", etc. **Chrome vanadium steel.** Chromium finish.
9 PC 4498.....19c

Handles and Attachments



CRAFTSMAN Speeder Wrenches

No finer made regardless of price, yet Sears low price saves you more than 30% compared to prices elsewhere. Furnished in two sizes. Drop forged **chrome vanadium steel** construction. Made with a full swing to give the ample leverage needed in speeding up nut turning work where speed and power are called for. Beautifully finished in gleaming chromium. Specially designed knurled end handle for a firm, slip-proof grip.

3/8-inch Square Drive
16-inch speeder wrench. A tool of this fine quality usually sells elsewhere for $1.30. An exceptional value.
9 PC 4427 ..... **79c**

1/2-inch Square Drive
18-inch speeder wrench. Two knurled handles to give better grip. A real buy at our low price. This quality usually sells elsewhere for $1.90.
9 PC 4416 ..... **$1.10**

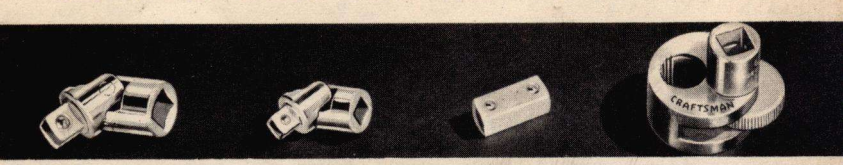
CRAFTSMAN Standard Extension Bars

Quantity production makes Sears money-saving prices possible. These extensions, when used with ratchets, spinners, etc., make it possible to reach nuts in difficult spots. Precision made male and female connections, forged from **vanadium steel.** Chromium finish.

9 PC 4353
1/4-in. Square Drive
3-inch 35c
6-inch 39c

9 PC 4426—3/8-in. Square Drive
3-inch 35c
6-inch 45c
11-inch 55c
20-inch 98c

9 PC 4413—1/2-in. Square Drive
2½-inch 45c
5-inch 49c
10-inch 59c
20-inch $1.19



CRAFTSMAN Universal Joints

Designed for fast work in most difficult positions. Indispensable in building up individual tools from various parts that will work at almost any angle. Accurately machined from **chrome vanadium steel** to work free and easy.

1/2-in. Square Drive
9 PC 4425 ..... 95c

3/8-in. Square Drive
9 PC 4435 ..... 95c

1/2-inch Adapter

Handy adapter for use with 9 PC 4417 standard ratchet (listed on opposite page). Carefully machined to insure a snug fit.
9 PC 4418 ..... **19c**

Stud Extractor

½-in. square drive. Ideal in close places. Cam principle develops tremendous power. *Vanadium steel.* Cap., 5/16 to ¾-in.
9 PC 4457 ..... **$1.98**

Flex Spinner Handle

For ¼-in. square drive sockets and fittings. 6-in. flexible spinner for reaching around corners, under the dash, carburetors, etc. Sturdy, shock-proof, shatter-proof amber handle.
9 PC 4355 ..... **98c**

6-inch Socket Extension

For ¼-inch square drive. Has a sturdy shock proof amber handle for proper insulation. Handle is broached on the end with a ¼-inch square to receive sliding "T", ratchet or flex handles.
9 PC 4337 ..... **85c**

3¾ Socket Extension

For ¼-inch square drive sockets and parts. A midget extension that will help you to reach past obstructions. Made of **chrome vanadium steel** for extra strength. With insulated amber handle.
9 PC 4335 ..... **45c**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

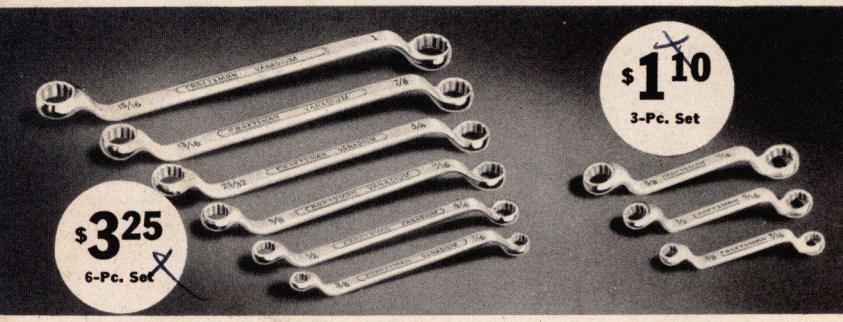
45° Offset Box End Wrenches

CRAFTSMAN 10-Piece Box End Wrench Set

You actually save $5.75 compared to prices elsewhere for such quality. No finer made. Guaranteed against defects in material and workmanship. Thin taper heads . . . precision made to fit nuts right, clean sharp broaching, and comfortable handles are but a few of the reasons why thousands of these sets are now being used in important industries.

This set is forged from **chrome vanadium steel** which is one of the toughest known to the tool industry. Industrial chromium finish. Set consists of 3 short end wrenches (3/8–7/16, 1/2–9/16, 5/8–11/16 inch); and 7 long end wrenches (3/8–7/16, 1/2–9/16, 5/8–11/16, 3/4–25/32, 13/16–7/8, 15/16–1, 1 1/16–1 1/4 inches).

9 PC 4374—10-Piece Set complete in metal box.....**$6.25**



CRAFTSMAN 6-Pc. Set 45° Long Type

Scientifically angled for perfect clearance for both knuckles over head bolts. **Chrome vanadium steel.** 12-pt. openings. Heat treated and tempered.

9 PC 4391—6-Piece Set. 1 each of first 6 sizes listed below.....**$3.25**

9 PC 4392—Individual Wrenches

Size, in.	3/8–7/16	1/2–9/16	5/8–11/16	3/4–25/32	13/16–7/8	15/16–1	1 1/16–1 1/4
Each...	45c	49c	55c	59c	65c	75c	$1.49

3-Pc. Set 45° Short Type

Popular type for close up work. 12-point broaching to accurate size. Thin tapered heads. **Vanadium steel.**

9 PC 4385—3-Piece Set. 1 each of sizes listed below....**$1.10**

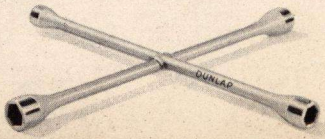
9 PC 4386—Individual Wrenches

Size, in.	3/8–7/16	1/2–9/16	5/8–11/16
Each.....	35c	39c	45c

DUNLAP Cross Rim Wrench

Drop forged alloy steel. Arms, 16-inch long. Deep forged sockets, tempered and hardened. Nickel plated. Socket sizes, 5/8, 3/4, 13/16, 7/8 inch.

9 PC 4472.....**85c**



CRAFTSMAN
THE GREATEST NAME IN TOOLS

Box End Wrenches

6-Piece Combination Box and Open End Wrench Set

Why pay $5.95 elsewhere when you can get the same quality set at Sears for only $2.75. Fully guaranteed. One of the most useful style wrenches made—should be part of every tool kit. Forged from **chrome vanadium steel.** Chromium plated. Highly polished thin tapered heads. Perfect fit assured. 12-point box ends has 15° angle. Provides ample clearance over obstructions. Set comes complete in metal box as illustrated.

9 PC 4463—6-Piece Set. One each of sizes listed below..... **$2.75**

9 PC 4469—Individual Wrenches. Both ends have same size opening.

Size.....	7/16-inch	1/2-inch	9/16-inch	5/8-inch	11/16-inch	3/4-inch
Each....	35c	39c	45c	49c	55c	59c

10° Offset Box Wrench Set

CRAFTSMAN long handle type. Box wrenches in same high quality as above. One each of sizes listed below. Cleanly broached.

9 PC 4389—4-Piece Set..... **$1.89**

9 PC 4390—Individual Wrenches

Size.....	3/8-7/16	1/2-9/16	5/8-3/4	13/16-7/8
Price.....	39c	45c	55c	65c

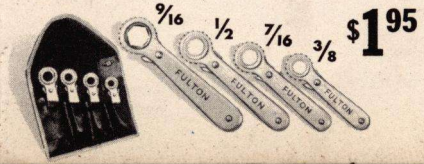
15° Offset Box Wrench Set

CRAFTSMAN quality. Short handle type. For use in extremely close quarters. One each of sizes listed below. Cleanly broached.

9 PC 4387—3-Piece Set..... **$1.10**

9 PC 4388—Individual Wrenches

Size.....	3/8-7/16	1/2-9/16	5/8-11/16
Price.....	35c	39c	45c



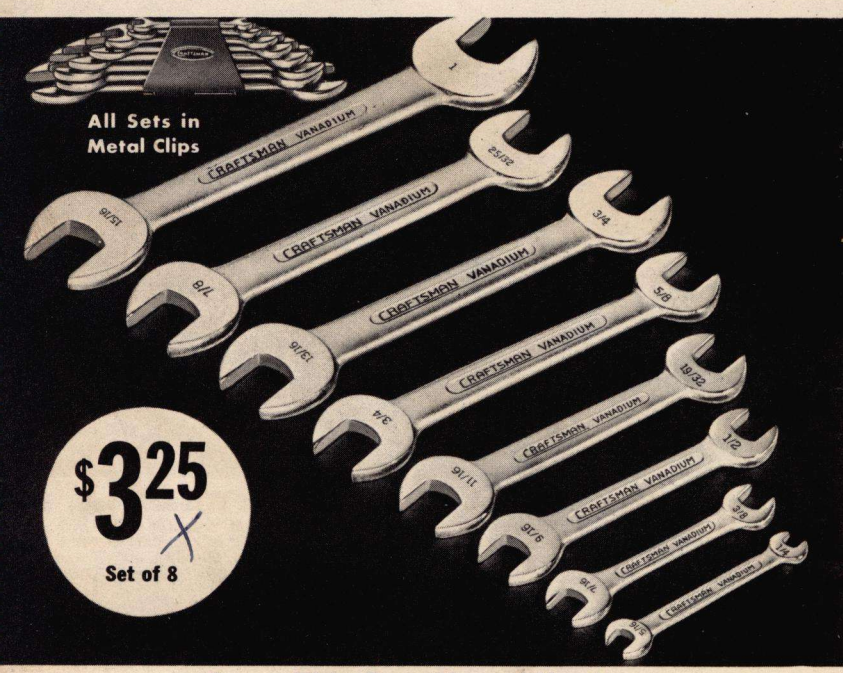
4-Pc. Ratchet Box Wrench Set

For ignition, carburetor and aeronautical jobs. Short ratchet stroke for close places. Reversible. Carefully tempered heads and ratchets. Cleanly broached sockets.

9 PC 4672—Sizes, 3/8, 7/16, 1/2, 9/16 in..... **$1.95**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

Open End Wrenches



Super Thin Pear Shaped Heads

No finer set of wrenches made anywhere—regardless of price. **Fully guaranteed.** Individually drop forged from **chrome vanadium steel.** Heat treated for extra toughness. Chromium finish. Carefully finished to eliminate sharp edges—cannot bruise hand. Openings machine milled to close tolerances—fit nuts perfectly.

9 PC 4456—Set of 8, in handy metal clip. Sizes, ¼ to 1 inch..... **$3.25**

9 PC 4454—Set of 6, in handy metal clip. Sizes, ⅜ to 1 inch..... **$2.49**

9 PC 4458—Individual Wrenches. Eight sizes.

Size, in.....	¼-5/16	3/8-7/16	1/2-9/16	19/32-11/16	5/8-3/4	3/4-13/16	25/32-7/8	15/16-1
Each.....	25c	29c	35c	39c	49c	59c	65c	75c

Tappet Wrenches—Our Highest Quality

You cannot buy better. Yet Sears prices are one-third below comparable quality. Super thin pear shaped heads are heat treated for extra strength. Entire wrench drop forged from **chrome vanadium steel.** Chromium finished. Smoothly finished handles. Over-all length, 10 inches.

9 PC 4446—Set of 6. In metal clip..... **$2.49**

4-Piece Tappet Wrench Set

Two each, sizes ½-9/16, and 5/8-11/16 inch. Complete in handy metal clip.

9 PC 4445—Set of 4..... **$1.75**

Individual Tappet Wrenches

9 PC 4447—Choice of six sizes.

Size, in....	7/16-17/32	½-9/16	5/8-11/16
Each.....	39c	45c	49c

CRAFTSMAN and DUNLAP
THE GREATEST NAME IN TOOLS

Adjustable End Wrenches

CRAFTSMAN Adjustable Wrench

Ⓐ **No finer made.** Tempered and heat treated special alloy steel; industrial type chromium finish. Polished jaws. Thin tapered jaws are 33% thinner, more than 200% stronger than ordinary wrenches. 12-pt. box wrench in handle.

Size, in....	4	6	8	10	12
9 PC 4470	65c	75c	89c	$1.15	$1.65

DUNLAP Adjustable Wrench

Ⓑ At its low price this wrench is a standout! Extra strong drop forged steel, oil tempered by a special process. Full polished jaws. Parts carefully made to insure easy working jaws. 12-pt. box wrench broached in end of handle.

Size, in.....	4	6	8	10	12	16
9 PC 4468..	45c	55c	65c	79c	$1.25	$1.69

DUNLAP Pipe Wrenches

Finest special analysis steel. Will carry more than twice the load required to pass U.S. Navy specifications. All parts properly tempered. Deep milled jaws are specially hardened tempered alloy steel. Work free and easy. Polished frame and jaws; painted handles.

Size, inches...	8	10	14	18	24
Takes pipe, in.	¾	1	1½	2	2½
9 PC 5570....	55c	75c	98c	$1.45	$2.75

CRAFTSMAN Pipe Wrenches

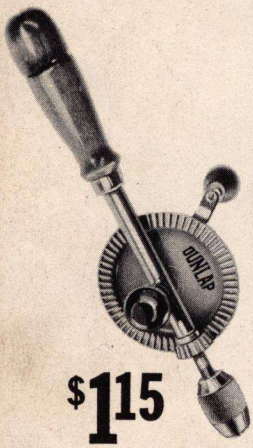
None better made regardless of price. **Guaranteed unbreakable.** Exceeds twice the load required by U. S. Navy and Federal Pipe Wrench Specifications. Frame housing and handle are 1-piece construction. Extra hard special analysis steel jaws are replaceable.

Size, in.	6	8	10	14	18	24	36
Takespipe, in.	½	¾	1	1½	2	2½	3½
9 PC 5562...	65c	95c	$1.10	$1.59	$2.19	$3.75	....
99 PC 5562..	....	....	....	....	....	....	$7.95

CRAFTSMAN and DUNLAP
THE GREATEST NAME IN TOOLS

Hand and Breast Drills

If you appreciate tools of supreme quality . . . that are made right and built to stand up buy CRAFTSMAN



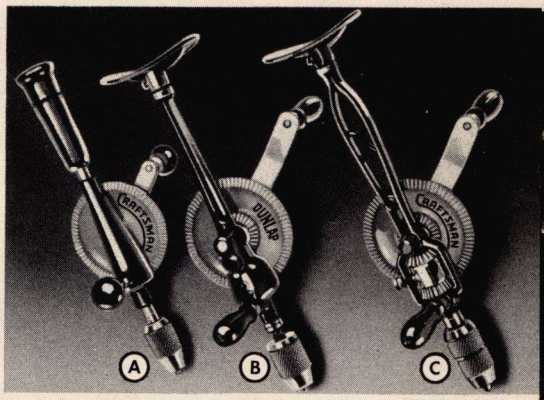
$1.15

DUNLAP Hand Drill

No better example of Sears ability to save you money is more clearly shown than in the extra value you receive when you buy this DUNLAP drill. It's equal in quality to any drill selling for $1.50 elsewhere.

Smooth running gears. Screw top hollow handle **contains 8 bits; sizes, 1/16 to 11/64-in.** 3-jaw chuck takes drills up to ¼-in. Length, over all, 11 inches.

9 PC 4228 ..... **$1.15**



CRAFTSMAN Hand and Breast Drill

Ⓐ A combination heavy duty drill. Machine cut gears. 3-jaw chuck. Hollow handle for extra drills. Takes straight shank drills up to ⅜ inch.

9 PC 4233 ..... **$2.85**

DUNLAP Breast Drill

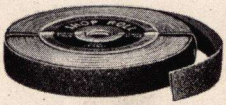
Ⓑ Easy running ball bearing construction. 3-jaw chuck. Machine cut gears and pinion. Handy 2-speed gear shift. Takes straight shank drills up to ½ inch.

9 PC 4239 ..... **$3.45**

CRAFTSMAN Breast Drill

Ⓒ No finer made. Ball bearing construction. 3-jaw chuck Machine cut gears and pinion. 2-speed gear shift. Takes ½-inch straight shank drills.

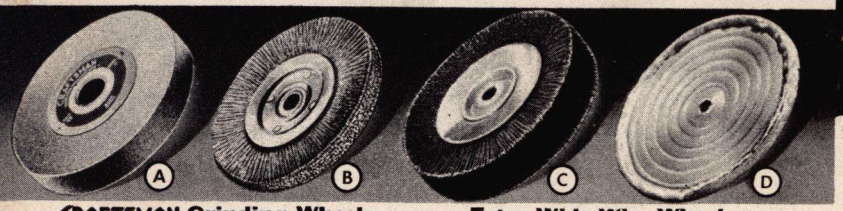
9 PC 4240 ..... **$4.95**



Shop Rolls

Aluminum oxide cloth. 20-yard roll; 1-inch width.

9 PC 6796—Fine **89c**
Medium . . . **95c** Coarse . . **$1.00**



CRAFTSMAN Grinding Wheels

Ⓐ Highest quality. Fully vitrified aluminum oxide abrasive. Fast cutting . . . long life.

9 PC 6411—Medium		**9 PC 6412—Fine**	
4 x 3-inch	59c	4 x 3-inch	59c
6 x 1-inch	$1.15	6 x 1-inch	$1.15
8 x 1-inch	1.69	8 x 1-inch	1.69

Wire Scratch Wheels

Ⓑ Highest quality steel wire. For removing paint, rust, scale, buffing tires, etc.

9 PC 6480—Coarse		**9 PC 6482—Fine**	
4-inch	30c	4-inch	40c
6-inch	40c	6-inch	50c

Extra Wide Wire Wheel

Ⓒ Ideal for general garage or shop use. Highest quality No. 30 wire. 6-inch diameter with 1-in. face. ½ or ⅝ in centers.

9 PC 6483 ..... **$1.59**

Quality Buffing Wheels

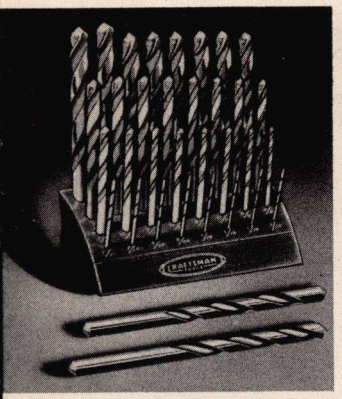
Ⓓ Each section contains 20 thicknesses of bleached muslin. Pieced material with full disc covers. Extra strong ⅝-inch spiral sewing. ½-inch center hole.

9 PC 6490—4-inch **9c**
6-inch **15c**
8-inch **25c**

CRAFTSMAN

REG. U. S. PAT. OFF.

The Greatest Name in Tools



CRAFTSMAN Twist Drills

Highest quality straight shank jobber's length drills. Scientifically hardened and tempered. Precision ground. Cut fast, stay sharp.

Diam. Inch	9 PC 6698 Carbon Steel	9 PC 6699 High Speed
1/16	8c	18c
5/64	9c	19c
3/32	9c	20c
7/64	9c	21c
1/8	10c	22c
9/64	10c	23c
5/32	10c	25c
3/16	12c	29c
7/32	14c	35c
1/4	17c	42c
5/16	23c	59c
3/8	32c	79c
7/16	45c	98c
1/2	65c	$1.29

Twist Drill Sets With Stand

9 PC 6701—Set of 60 with stand. Wire gauge. Sizes, 1 to 60. Carbon steel quality..... **$6.95**

9 PC 6702—Set of 29 with stand. Sizes, 1/16 to 1/2 in. by 64ths. Carbon steel quality..... **$7.95**

$3.69 5-in.

CRAFTSMAN Hand Grinders

Highest quality. Ball bearing adjustable end thrust. True running, fast cutting CRAFTSMAN vitrified grinding wheel. Adjustable tool rest. Machine cut gears. **$3.69**

9 PC 6603—5 x 1-inch..... **$3.69**

9 PC 6604—6 x 1-inch..... **$4.98**

Sears pliers are not only distinguished for their superior quality and long service but are fully guaranteed against defects in materials and workmanship. Designed for perfect balance. Drop forged from the finest **chrome vanadium steel** for strength. Priced to save you one-third compared with usual prices elsewhere.

Diagonal Cutting Plier

Ⓐ **CRAFTSMAN.** Hand-honed cutting jaws, highly polished. Perfect fitting joints, open and close freely. Deep knurled handles for a firm slip proof grip. **$1.39**

9 PC 4506—5-inch.... **$1.39**
6-inch..... **1.49**
7-inch..... **1.85**

Long Nose Plier

Ⓑ **CRAFTSMAN.** Spring tempered nose, hand honed cutting knives. Perfectly milled jaws. Precision joints. 6 inches long. **$1.19**

9 PC 4499..... **$1.19**

Electricians' Plier

Ⓒ **CRAFTSMAN.** For electrical work. Hand honed cutting knives; milled throat 7-inch length forged from alloy steel; skillfully tempered. **$1.55**

9 PC 4516..... **$1.55**

Linemen's Pliers

Ⓓ **CRAFTSMAN.** For heavy duty repair work. Hand honed side cutting jaws. Milled throat. **$1.65**

9 PC 4518—7-inch.... **$1.65**
8-inch..... **1.85**

Wide Jaw Diagonal Plier

Ⓔ **DUNLAP.** Heavy duty—for cutting steel wire, etc. Drop forged steel. Hand honed cutting knives. 7 inches long. Gunmetal finish. **$1.29**

9 PC 4508..... **$1.29**

Diagonal Cutting Plier

Ⓕ **DUNLAP.** Same quality as above but for lighter work. Length, 6 inches. Gunmetal finish. **98c**

9 PC 4510..... **98c**

Long Nose Plier

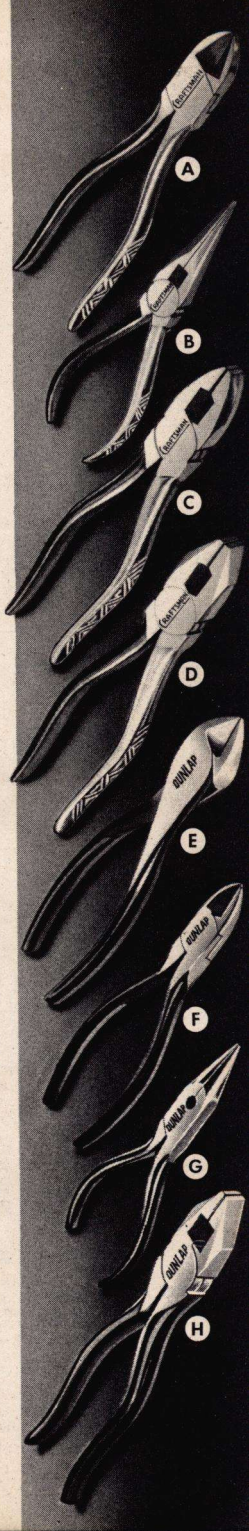
Ⓖ **DUNLAP.** Polished pointed nose. Length, 6 inches. Sharp side cutters. Forged steel. **85c**

9 PC 4511..... **85c**

Lineman's Plier

Ⓗ **DUNLAP.** Forged steel. Precision fitted joint. Milled jaws. Length, 7 1/2 in. Gunmetal finish. Extra sharp side cutters. **$1.19**

9 PC 4512..... **$1.19**



CRAFTSMAN and DUNLAP

REG. U. S. PAT. OFF.

Side Cutting Plier

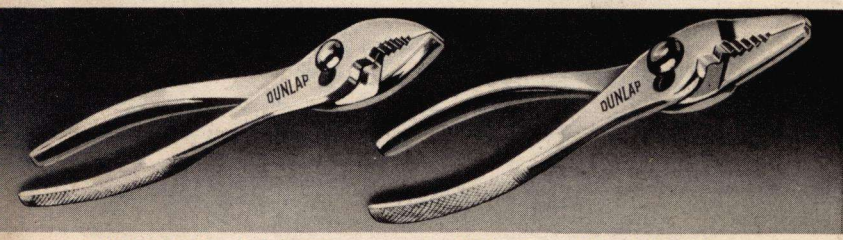
DUNLAP. Slip-joint type; popular with auto mechanics. Forged from high quality alloy steel, hardened and tempered. Flush head rivet on one side. Keen cutting knives stand up under hard use. Gunmetal finish, polished head. Full fashioned handles. Overall length, 7½ inches.
9 PC 4507.....**$1.19**

Water Pump Plier

DUNLAP. Full fashioned handles; milled teeth insure a bull dog grip. Easily adjusted to six different positions. Fits any size water pump nut. Drop forged, extra thin jaws get into tight places. Heat treated and hardened. Rust-resisting finish. Overall length, 9 inches.
9 PC 4482.....**49c**

Battery Plier

DUNLAP. Designed for gripping badly corroded and mutilated nuts on battery terminals. 40 degree angle heads makes nuts easily accessible regardless of position. Long handles supply powerful leverage. Serrated gripping jaws. Drop forged from special alloy steel. Length, 8 in.
9 PC 4477.....**49c**



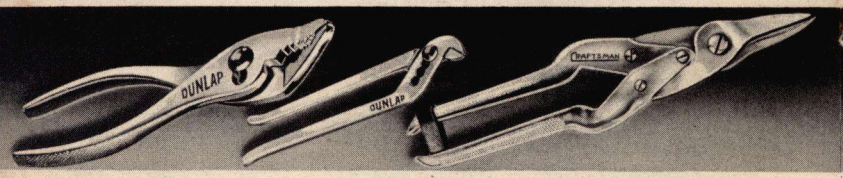
DUNLAP Slip Joint Pliers

Drop forged alloy steel. Nickel plated to resist rust. Knurled handles for a firm grip. Powerful, deep milled jaws.

9 PC 4491—Three sizes.
6-inch length.....**39c**
8-inch length.....**49c**
10-inch length.....**65c**

Thin Nose Slip Joint Pliers

DUNLAP. Has many uses—especially on tight, cramped jobs. Becoming increasingly popular with automobile mechanics. Forged from high quality alloy steel. Knurled handles and deeply milled throat. Nickel plated. Easy action slip joint.
9 PC 4493—6-inch length.....**39c**



Thin Bent Nose Plier

DUNLAP. Heavy duty. Nose bent at an angle that enables the mechanic to get into places inaccessible to any other tool. Deep knurled handles. 7 in.
9 PC 4494.....**39c**

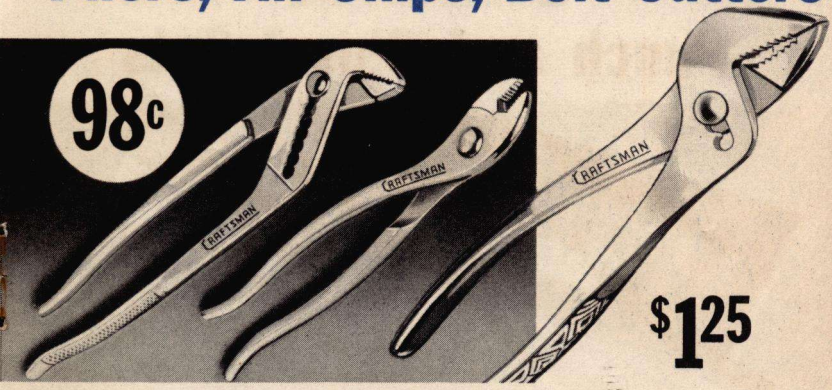
Ignition Plier

DUNLAP. Makes magneto jobs easier. Will fit small nuts used in all ignition units. Thin nose. Forged from alloy steel. Easy action slip joint. 4½-in.
9 PC 4509.....**49c**

Combination Snip

CRAFTSMAN. Cuts right or left hand; circular and irregular shapes. Used by air craft and automotive shops. Compound lever action. 9½-in.
9 PC 4536.....**$2.75**

Pliers, Tin Snips, Bolt Cutters



Water Pump Plier

CRAFTSMAN. Recognized as America's highest quality. For tightening water pump packing nuts and other large irregular shaped nuts, bolts and rods. Adjusts to 8 positions. Jaws kept parallel at all openings. Deeply milled teeth. Drop forged alloy steel; nickel plated. Length, 9 in.

9 PC 4476.....**98c**

Battery Plier

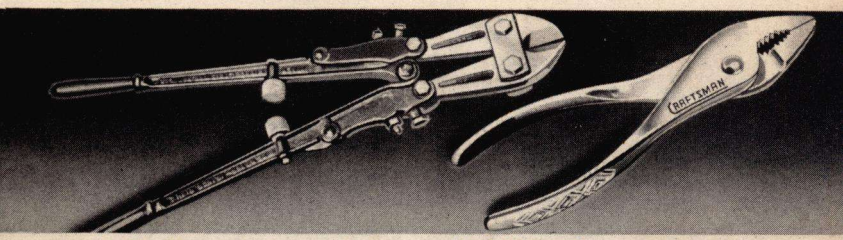
CRAFTSMAN. Highest quality workmanship and materials . . . you cannot buy a better plier at any price. Specially built for battery installation work. Fits all terminals. 40° angle head and tapered nose for working in close quarters. Forged alloy steel; nickel plated. Length, 8 in.

9 PC 4492.....**$1.09**

Universal Plier

CRAFTSMAN. America's most popular mechanics' plier. **Chrome vanadium steel.** Long handles and deeply milled teeth for a powerful pipe-wrench grip. Precision fitted, easy working geared joint permits 3 adjustments. Knurled handles. Nickel plated. Length, 8 inches.

9 PC 4528.....**$1.25**



Quality Bolt Cutters

Comparable quality sells elsewhere for $5 and $6.50. Compound lever action puts tremendous cutting power into the hammer forged, high carbon alloy steel blades. Perfectly aligned, hand filed.

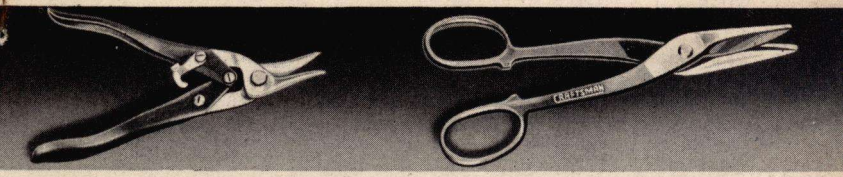
9 PC 6525—18-inch length.....**$4.19**

9 PC 6526—24-inch length.....**$5.29**

CRAFTSMAN Combination Plier

None finer made anywhere, regardless of price. Drop forged from tough **vanadium steel.** Nickel plated finish. Powerful jaws deeply milled for a bull dog grip. Slip joint fitted with precision accuracy. Knurled handles.

9 PC 4485—6-inch length **98c**



Compound Lever Aviation Snips

For cutting squares, circles and irregular patterns out of stainless, Dural and Monel metals; tubing, etc. Drop forged shearing edges. Length, 10 inches.

9 PC 4535—For left hand cuts.....**$3.25**

9 PC 4534—For right hand cuts.....**$3.25**

Duck Bill Tinners' Snips

Special design jaws makes it easy to cut straight, circular and irregular shapes. Special analysis steel. Gunmetal finish.

Length....	7-in.	10-in.	12-in.	13½-in.
Cut.....	1¾-in.	2½-in.	3-in.	3½-in.
9 PC 4546	**95c**	**$1.19**	**$1.45**	**$1.95**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

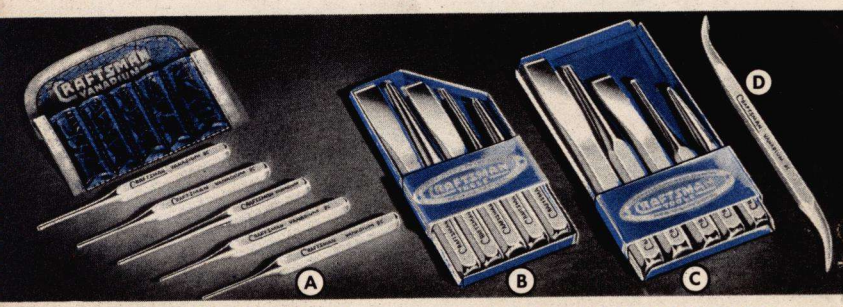
Punch and Chisel Sets

CRAFTSMAN 12-Piece Super Punch and Chisel Set

If you were to go out and buy this set elsewhere you'd have to pay at least $5.50. A well balanced assortment, carefully selected to cover all the needs of the master mechanic. Each piece hand forged from **chrome vanadium steel,** scientifically tempered to stand severe strain and hard use. Chromium plated to resist rust. Artificial leather kit.

3—Cold chisels (1/4, 5/8 and 3/4-inch)
1—Cape chisel (1/16-inch)
1—Round nose cape chisel (3/8-inch)
1—Diamond point chisel (3/8-inch)
1—Center punch (3/8-inch)
1—Solid punch (3/8-inch)
3—Pin punches (5/64, 3/64, 1/16-inch)
1—Drift punch (3/8 x 7-inch)

9 PC 4303—Complete 12-piece set..... **$3.75**



5-Piece Pin Punch Set

(A) **CRAFTSMAN. Chrome vanadium steel,** specially treated and toughened to withstand the strenuous driving to which these tools are subjected. Chromium plated to resist rust. Set includes 1/32, 1/16, 5/64 and 3/32-inch pin punches, and a 1/16-inch drift punch. All 4 1/2 inches long.

9 PC 4285—In artificial leather case... **98c**

5-Piece Punch and Chisel Set

(B) **CRAFTSMAN.** An inexpensive set as compact as it is handy. High quality alloy steel. Set includes 2 chisels (7/16 and 5/8-inch), center punch, and 2 solid punches (1/8 and 3/16 inch).

9 PC 4307—In metal clip..... **98c**

5-Piece Punch and Chisel Set

(C) **CRAFTSMAN.** Heavy duty tools built to really "take it." Carefully forged from **chrome vanadium steel,** scientifically heat treated and tempered. Chromium plated to resist rust. Set includes 2 chisels (1/2 and 5/8-in.), center punch, 5/32-in. pin punch and a 1/2-in. solid punch.

9 PC 4302—In metal clip..... **$1.25**

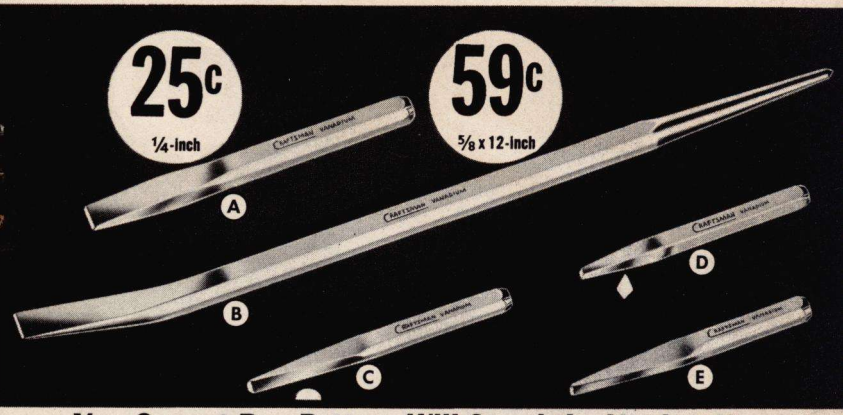
CRAFTSMAN Cotter Pin Puller

(D) Every mechanic should have one of these handy tools for spreading and removing stubborn cotter pins. Forged from special analysis steel for strength. Over-all length, 6 inches.

9 PC 4324..... **35c**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

Punches, Chisels and Pry Bar



You Cannot Buy Better—Will Stand the Hardest Use

Ⓐ **Cold chisels. Chrome vanadium steel.** Chromium plated. No stronger made.
9 PC 4297—Six sizes.
Size, 1/4-in. 3/8-in. 1/2-in. 5/8-in. 3/4-in. 7/8-in.
Each, **25c 29c 35c 45c 55c 65c**

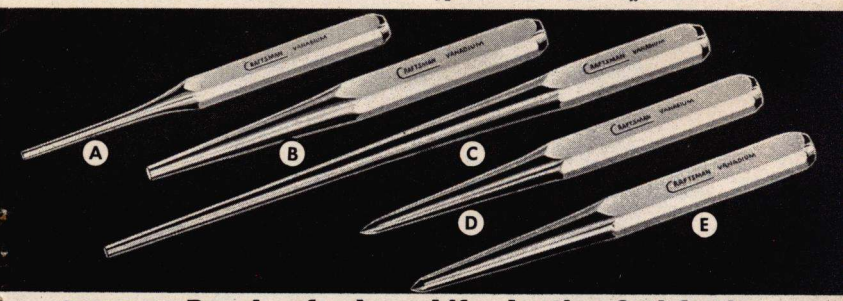
Extra Long Cold Chisel. Octagon shape. Tempered **vanadium steel.**
9 PC 4299—Two sizes.
5/8 x 12-in.....**59c** 3/4 x 12-in.....**65c**

Ⓑ **16-in. Pry Bar.** Use as jimmy bar or line-up punch. **Vanadium steel.**
9 PC 4283—$1.25 quality elsewhere...**85c**

Ⓒ **Round Nose Cape Chisel.** For shearing off nuts. Carefully tempered point. Drop forged **vanadium steel.**
9 PC 4316—5/16-inch.....**29c**

Ⓓ **Diamond point chisel.** Drop forged **vanadium steel.**
9 PC 4320—3/8-inch.....**29c**

Ⓔ **Cape Chisel.** Drop forged **vanadium steel.** Cutting edge beveled to remain sharp under constant abuse.
9 PC 4312—Chromium plated.
1/4-inch.....**29c** 5/16-inch.....**39c**



CRAFTSMAN Punches for Long Life—Lasting Satisfaction

Ⓐ **Pin Punches.** Forged from tough **chrome vanadium steel,** carefully tempered and hardened. Heavily chromium plated to resist rust. Necessary for driving pins out of shafts, etc.
9 PC 4288—Five sizes.
Size, 3/32-in. 4/32-in. 5/32-in. 6/32-in. 8/32-in.
Each, **25c 27c 27c 35c 35c**

Ⓑ **Solid Machine Punches.** Heavy, for strenuous work. Slightly tapered. Will stand up under all sorts of abuse. Drop forged **vanadium steel,** heat treated and hardened. Chromium plated.
9 PC 4314—3/8 x 4 1/4-inch.....**23c**
1/2 x 6- inch.....**33c**

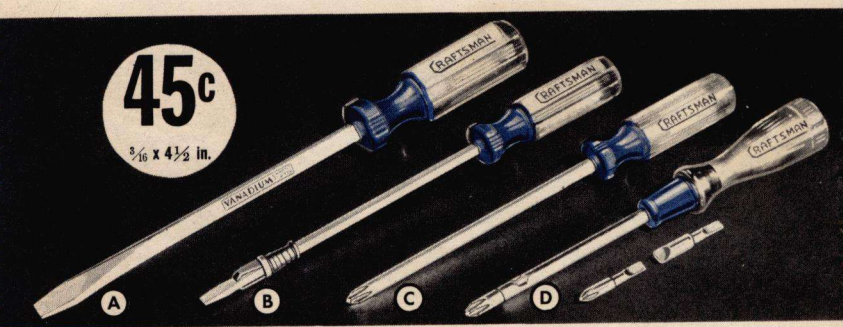
Ⓒ **Lining-Up Punch.** For lining up bolt holes, etc. **Vanadium steel.**
9 PC 4290—1/2 x 9-inch.....**55c**
5/8 x 12-inch.....**69c**

Ⓓ **Prick Punch.** Money can't buy finer quality. Made with a long tapered point. Heat treated for hardness.
9 PC 4284—3/8 x 4 1/2-inch.....**25c**
1/2 x 3/8-inch.....**35c**

Ⓔ **Center Punch.** Precision made. Specially treated points are ground to exacting specifications. Drop forged **vanadium steel.** Chromium plated.
9 PC 4286—3/8-inch.....**25c**
1/2-inch.....**35c**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

Screwdrivers and Files



CRAFTSMAN Amber Handle Screwdrivers

Ⓐ Guaranteed unbreakable and shockproof transparent amber handles. Square shank bits take all the abuse you can give them. Finest long wearing **chrome vanadium steel** blades. Chromium plated to resist rust. Elsewhere from 65c to $1.25 for this quality.

Size, in.	3/16x4½	3/16x9	¼x4	¼x6	¼x12	5/16x8	3/8x12
9 PC 4148	45c	55c	55c	65c	69c	85c	98c

CRAFTSMAN Screw Holding Screwdriver

Ⓑ Guaranteed unbreakable and shockproof transparent amber handle. Becoming increasingly popular with mechanics because spring clip holds screw in position. **Chrome vanadium** steel blades. A time saver.

Size, in.	⅛x2½	⅛x4	3/16x5	3/16x7
9 PC 4112	35c	39c	55c	65c

'Phillips' Style Screwdriver

Ⓒ **CRAFTSMAN** quality. Chromium plated **vanadium steel** blade, hardened and tempered. To fit "Phillips" recessed screws. Shockproof, unbreakable transparent amber handles.

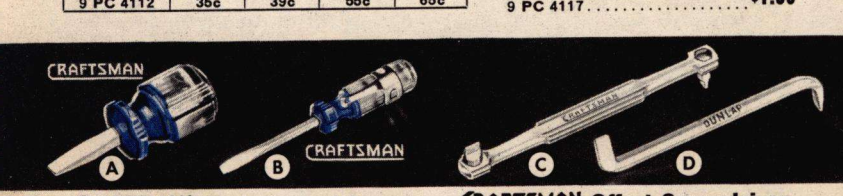
9 PC 4129—3 popular sizes.

Size, in.	No. 1-3	No. 2-4	No. 3-6
Price	59c	75c	95c

Add-A-Bit 'Phillips' Style

Ⓓ **CRAFTSMAN** quality. Hollow amber handle contains 3 **vanadium steel blades** (No. 2 and No. 3 "Phillips" and 5/16-inch standard bit). Eliminates the need for having separate screwdrivers.

9 PC 4117 ..... **$1.59**



CRAFTSMAN Stub Screwdriver

Ⓐ For close adjustment work. Amber handle. 1¼-in. **vanadium steel** blade.

9 PC 4131—50c quality elsewhere..... **35c**

Pocket Clip Screwdriver

Ⓑ **CRAFTSMAN. Vanadium steel** blade, ⅛ x 2in. Amber handle; pocket clip.

9 PC 4142—35c quality elsewhere..... **21c**

CRAFTSMAN Offset Screwdriver

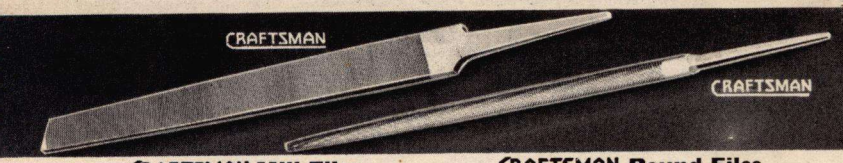
Ⓒ None finer. Hand forged alloy steel. Bit blades set at the right angle.

9 PC 4110—Length, 5¼ inches..... **45c**

DUNLAP Offset Screwdriver

Ⓓ Makes hidden or hard-to-get-at screws easy to reach. Tempered steel.

9 PC 4120—Length, 4¼ inches..... **23c**



CRAFTSMAN Mill Files

Ideal for all general purpose uses. Made from special analysis steel, properly hardened and tempered, and individually tested. Strong, sharp, deep cut teeth. Cut faster—last longer. Exceptionally low priced.

Size, in.	6	8	10	12
9 PC 6764	17c	20c	27c	35c

CRAFTSMAN Round Files

Made from special analysis steel, properly hardened and tempered for longest service. Sharp, medium fine teeth for fast and easy cutting. Each file individually tested to assure you of a perfect tool.

Size, in.	4	6	8	10
9 PC 6760	15c	17c	20c	27c

CRAFTSMAN THE GREATEST NAME IN TOOLS and DUNLAP

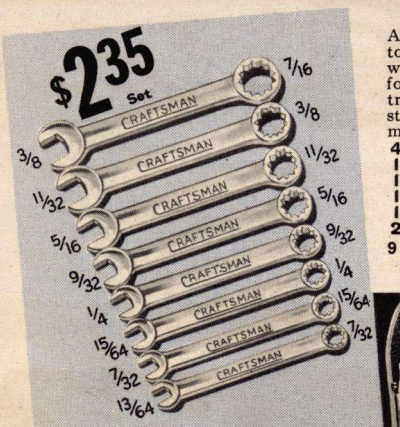
Super Quality Ignition Tools

10-Piece DUNLAP Ignition Set

At this sensational low price we challenge you to find its equal. This quality usually $3.50 elsewhere. Carefully designed by ignition experts for greater efficiency on magnetos, coils, distributors, etc. Highest quality drop forged steel. Nickel plated to resist rust. Packed in metal box. Set as follows:

4—Wrenches (13/16 to 11/32 in.)
1—4½-in. ignition plier
1—Midget screwdriver
1—5-leaf thickness gauge
1—Ignition file
2—Tiny center and pin punches

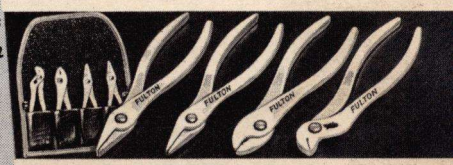
9 PC 4452—Complete 10-Pc. Set **$2.45**



8-Pc. Combination Box and Open End Wrench Set

Dual openings permit two wrenches to be used in locking same size nut. One for holding, one for tightening. Drop forged **chrome vanadium steel.** Chromium finished. Cleanly broached ends. Sizes, 13/64 to 7/16 inch.

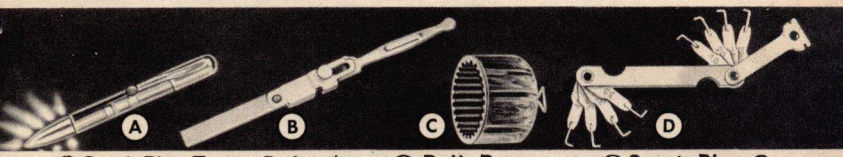
9 PC 4471—8-pc. Set. **$2.35**



4-Pc. Ignition Plier Set

Specially and carefully designed to serve auto mechanics, electricians, watch makers, etc. Standard and Parrot slip joint, needle point and flat nose jaws. Forged from special alloy steel. Tempered to correct hardness. Expertly milled jaws. Knurled handles.

9 PC 4671—Set in fabric kit **$1.45**



Ⓐ **Spark Plug Tester.** Pocket size. Simply hold against plugs and watch flash in tube.
28 PC 1342 . . . . . **23c**

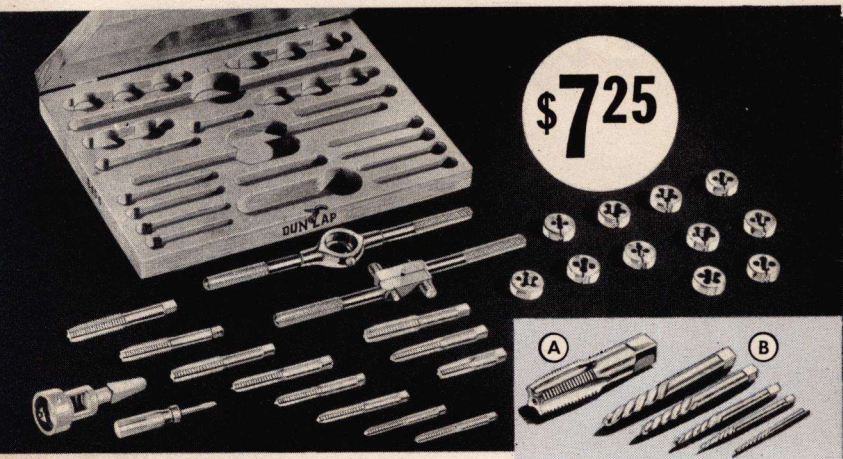
Ⓑ **Ignition Point File.** High grade double cut tempered steel. Setting piece permits cleaning both contacts at same time.
28 PC 30623 . . . . . **15c**

Ⓒ **Bulb Remover.** The new head lights, tail lights, etc., require it for removing and inserting bulbs. Heavy rubber; protects fingers in case of breakage.
9 PC 4674 . . . . . **15c**

Ⓓ **Spark Plug Gap Gauge.** For almost all plugs. Round wire type. Hardened wires mounted in adjustable holders. 8 different sizes. Adjusting wrench included.
9 PC 4479 . . . . . **29c**

Tap and Die Sets

AVAILABLE IN SPLIT OR SOLID DIES



DUNLAP 26-Piece Set

An exceptionally low price! Finest tool steel, carefully tempered and hardened for longest cutting life. Accurately machined for quick and easy cutting to insure precision work in restoring battered and damaged threads. **Set includes:** 11 one-inch adjustable dies, 11 taps, 9-inch die stock, bit stock die holder, tap wrench, screwdriver, 3-screw adjustable die stock. Cuts 11 sizes—¼, 5/16, ⅜, 7/16, and ½-inch. U.S.S. and S.A.E. threads. Also ⅛-inch pipe.

9 PC 5456—Complete in hardwood box.....**$7.25**

Screw Extractors

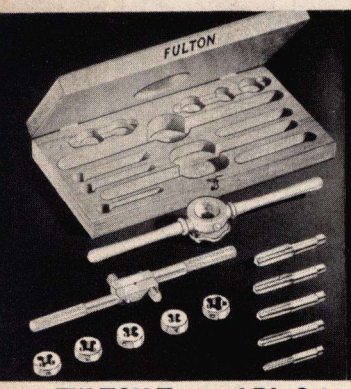
(B) CRAFTSMAN quality. High carbon tool steel. Removes broken screws or studs.

Size.....	No. 1	No. 2	No. 3	No. 4	No. 5
9PC6736	22c	25c	29c	33c	39c

Pipe Taps

(A) Tool steel. American standard right hand taper.

Size.....	⅛ in.	¼ in.	⅜ in.	½ in.
9PC5452	23c	35c	49c	75c



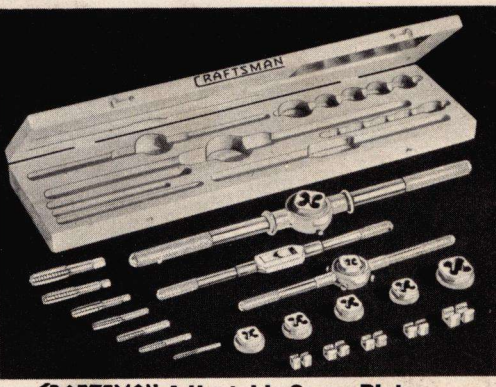
FULTON Tap and Die Sets

12-Piece S.A.E. Set. The choice of mechanics everywhere. Finest quality tool steel. Solid 1-inch dies. Cuts S.A.E. threads ¼ to ½-inch. In hardwood box.

9 PC 5449.....**$2.25**

12-Piece U.S.S. Set. Same high quality as above, cuts U.S.S. threads ¼ to ½-inch only!

9 PC 5448.....**$2.25**



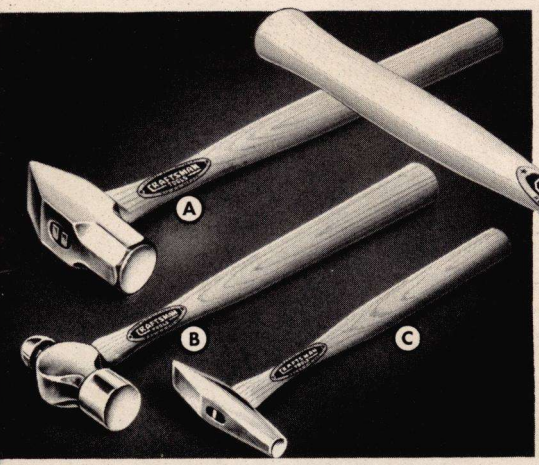
CRAFTSMAN Adjustable Screw Plates

The type demanded and used by expert mechanics on threading jobs. Finest tool steel taps and dies. Individual guide rings for quick changes. Adjustable 2-piece dies for deep or shallow threads. U.S.S. or S.A.E. standard bolt threads. There are no finer screw plates made.

Number	Cuts	Size of Cuts	Price
9PC5493	5	U.S.S. ¼, 5/16, ⅜, 7/16, ½ in.	$9.75
9PC5499	7	U.S.S. ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ in.	15.50
9PC5501	5	S.A.E. ¼, 5/16, ⅜, 7/16, ½ in.	9.75

CRAFTSMAN
THE GREATEST NAME IN TOOLS

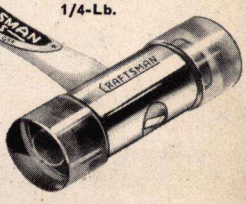
Mechanics' Hammers, Hack Saws



CRAFTSMAN hammers are, without exception, perfectly balanced and perfectly designed. There are none better.

89c

1/4-Lb.



Ⓐ **9 PC 3826—CRAFTSMAN Engineers' Hammers.** Forged tool steel. Double wedged, white hickory handle. Perfectly balanced. Highly polished head.

Size and Weight Price, Each	No. 2—2 lbs. $1.35	No. 3—2 ½ lbs. $1.49	No. 4—3 lbs. $1.65

Ⓑ **9 PC 3824—CRAFTSMAN Ball Pein Hammers.** Correctly designed and balanced. Highly polished heads.

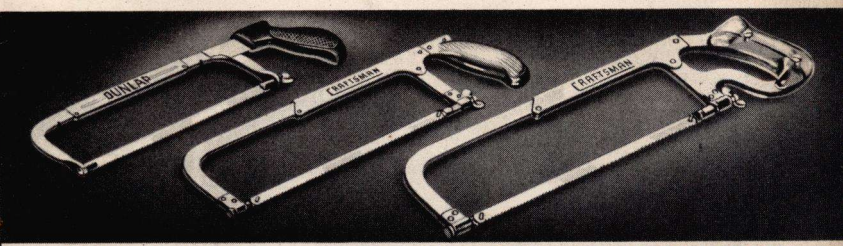
Size	7/0	5/0	4/0	3/0	00	0	1	2	4
Wt. Head	2 oz.	4 oz.	6 oz.	½ lb.	¾ lb.	1 lb.	1 ¼ lbs.	1 ½ lbs.	2 lbs.
Each	65c	69c	69c	75c	79c	89c	98c	$1.15	$1.25

Ⓒ **9 PC 3820—CRAFTSMAN Riveting Hammer.** Forged steel. Hardened face and pein. Hickory handle. **95c**
Size 1. Weight, head, 7 ounces
Size 3. Weight, head, 12 ounces $1.09

Amber Face Hammer

Sensational new composition face will not chip, shatter or break. Will stand a tremendous amount of pounding. Designed for fitting piston rings, wrist pins, gears, bearings, etc., or for tapping valves in blocks, or for other delicate parts that would be damaged by hard metal hammers. Highest quality hickory handle, securely fastened. Tips easily replaced.

Wt., Head	Others Ask	9 PC 3828
¼ pound	$1.25	89c
½ pound	$1.70	98c
1 pound	$2.00	$1.15



DUNLAP Hack Saw

Shockproof rubber pistol grip. Rust-resisting nickel plated reinforced frame. The blade turns in four directions. Adjustable 8 to 12 inches. With 10-inch blade.
9 PC 3550 ..... **69c**

CRAFTSMAN Pistol Grip

Reinforced back extends through handle. Metal pistol grip. Heavily nickel plated. Blade turns in four directions. Adjustable 8 to 12 inches. With 10-inch blade.
9 PC 3556 ..... **$1.15**

CRAFTSMAN Guard Grip

Extra heavy, polished nickel plated frame. Unbreakable amber handle. Safety grip. Adjustable 8 to 12 in. With 10-in. blade. Blade turns in four directions. Our best.
9 PC 3558 ..... **$1.95**

CRAFTSMAN Hack Saw Blades

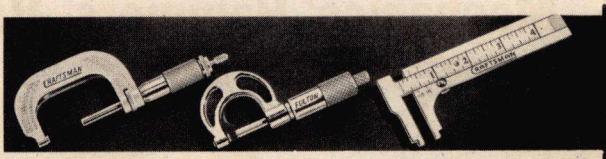
Special analysis alloy steel. New scientific heat treatment gives these blades both the durability of an all hard blade, yet the break resisting qualities of a flexible blade. Teeth positively will not strip.

9 PC 6584—18 Teeth For iron pipe, steel, angle iron		9 PC 6585—24 Teeth For brass copper tubing, sheet metal		9 PC 6586—32 Teeth For thin tubing and thin sheet metal	
8 in.	12 for 49c	8 in.	12 for 49c	8 in.	12 for 49c
10 in.	12 for 59c	10 in.	12 for 59c	10 in.	12 for 59c
12 in.	12 for 69c	12 in.	12 for 69c	12 in.	12 for 69c

CRAFTSMAN and DUNLAP

THE GREATEST NAME IN TOOLS

$8.50

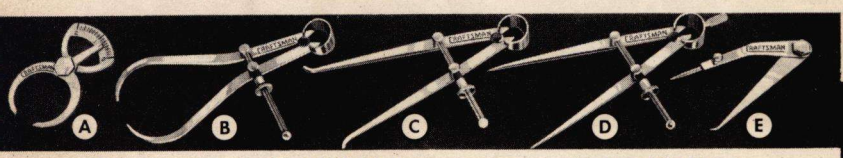


Micrometer
CRAFTSMAN. Graduated to 1/1000 of an in. Lock nut and ratchet stop. Decimal equivalents etched on frame. For precision work by skilled mechanics.
9 PC 4069 . . . $8.50

Micro-Caliper
CRAFTSMAN. Similar to 9 PC-4069. Range is 1 to 2 in. Ratchet mechanism on thimble, and lock nut. 1-in. test gauge. Decimal equivalents etched on frame.
9 PC 4071 . . . $9.50

Micrometer
FULTON. Low in price. Built to a high degree of accuracy. Graduated into 1/1000 of an inch. Smooth in action. Ideal for students or for the home shop.
9 PC 4074 . . . . . 98c

Slide Caliper
CRAFTSMAN. Inside—outside caliper; graduated in 32nds and 64ths. Clamp may be locked by hand which holds tool.
9 PC 4021
3-inch **$2.98**
5-inch **3.75**



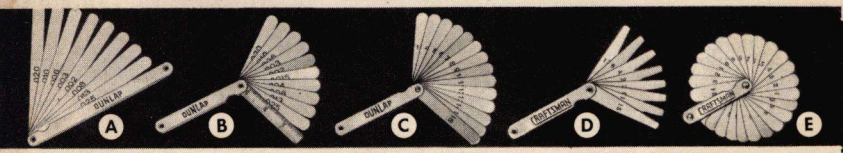
Calipers
Ⓐ **CRAFTSMAN. Indicating calipers.** Measures thickness over shoulders, etc., lengths, diameters up to 2 in. Arc graduated in 16ths. 3 in. over all. Vest pocket size.
9 PC 4028 . . . . . 95c

Outside Calipers
Ⓑ **CRAFTSMAN.** Tempered crucible steel. Machined.
9 PC 4019—4-inch **79c**
6-inch **95c**

Inside Calipers
Ⓒ **CRAFTSMAN.** Our highest quality. Accurately machined. For precision work.
9 PC 4018—4-inch **79c**
6-inch **95c**

Spring Dividers
Ⓓ **CRAFTSMAN.** Tempered crucible steel legs.
9 PC 4017—4-inch **79c**
6-inch **95c**

Hermaphrodite Calipers
Ⓔ **CRAFTSMAN.** For laying out work; locating centers. Tempered crucible steel legs. 4 inches over-all.
9 PC 4010 . . . . . 79c



9-Leaf Gauge
Ⓐ **DUNLAP.** Popular with machinists, etc., in gauging narrow slots. For adjusting air gap on motor valves. Sizes .002 to .025. Tempered steel blades. Length, 6 inches.
9 PC 4053 . . . . . 59c

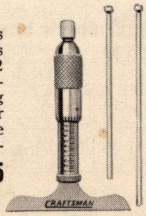
DUNLAP 10-Leaf Gauge
Ⓑ Made of highest quality tempered spring steel. Accurate 3-inch rule included. Sizes from .0015 to .025. Others ask 50c for similar quality.
9 PC 4052 . . . . . 35c

DUNLAP 15-Leaf Gauge
Ⓒ Highest quality spring steel. Sizes.003to.018.3½"long
9 PC 4058 . . . . . 49c

CRAFTSMAN 9-Leaf Gauge
Ⓓ Tapered leaves made from highest quality spring steel. Thicknesses from .0015 to .015. 3 1/16 inches long.
9 PC 4055 . . . . . 75c

CRAFTSMAN 25-Leaf Gauge
Ⓔ No finer made. All sizes necessary from .0015 to .025. Pocket size. Lgth., 2¼-in.
9 PC 4057 . . . . . $2.19

Inside Micrometer
CRAFTSMAN. Makes all inside measurements by 1/1000-inch from 2 to 6 inches. Seven measuring rods and long handle furnished for places that cannot be reached by hand. Precision made.
9 PC 4073 . . . . . $8.75



Depth Micrometer
CRAFTSMAN. For making accurate depth measurements in holes, slots, shoulders, projections. Graduated to 1/1000-in. 3 measuring rods included. Capacity, 0 to 3 inches.
9 PC 4046 . . . . . $8.25

Precision Tools

$5.75

Combination Set
CRAFTSMAN. Blade graduated in 8ths, 16ths, 32nds, 64ths. Center head has level protractor; square head has level and scratch awl.
9 PC 4039—12-in. blade..... **$5.75**
9 PC 4037—As above less protractor. 6-in. blade..... **$2.19**
12-in. blade..... **$3.15**
9 PC 4036 — Same as 9 PC 4039 less protractor and center head. 12-in. blade..... **$2.50**

Ⓐ Stainless, Semi-flex Rules

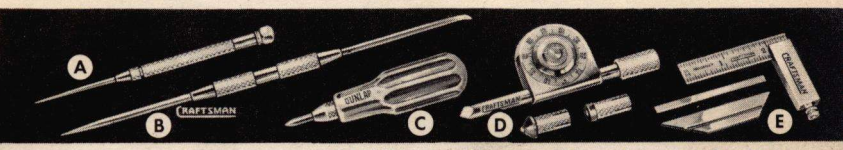
CRAFTSMAN	Length	Type	Each
9 PC 4031	6 in.	Flexible.	79
9 PC 4032	6 in.	Solid.	79
9 PC 4033	12 in.	Solid.	$1.45
9 PC 4035	6 in.	With end hook.	98

Ⓑ Machine Etched Steel Rules

DUNLAP	Length	Graduations	Each
9 PC 4038	6 in.	1/8, 1/16, 1/32, 1/64-in.	29
9 PC 4042	12 in.	1/32-in. and mm.	75
9 PC 4043	24 in.	1/16-in. and mm.	$1.49

Protractor

Ⓒ **DUNLAP.** Stainless steel. For setting bevels, transferring angles, etc. Rectangular head gives protractor four working faces. Gruaduated from 0 to 180°. 6-in. blade.
9 PC 4029..... **95c**



Pocket Scriber

Ⓐ **CRAFTSMAN.** Tempered point can be reversed so scriber can be carried in pocket.
9 PC 4012..... **35c**

Double Scribers

Ⓑ **CRAFTSMAN.** Replaceable tapered points tempered and ground.
9 PC 4014..... **39c**

DUNLAP Center Punch

Ⓒ **Automatic.** No hammer needed. Internal mechanism strikes blow. Hardened tool steel point.
9 PC 4016—4 in. long... **98c**

Speed Indicator

Ⓓ **CRAFTSMAN.** Shows every revolution. 2 rubber tips. Set to 0 at will.
9 PC 4060..... **$1.15**

CRAFTSMAN Square

Ⓔ Toolmakers' square. 2½ x ½-in. sliding blade, graduated in 32nds and 64ths. Bevel blade and ⅛-in. narrow blade interchangeable with graduated blade included. Blades and head hardened and ground.
9 PC 4041..... **$3.35**

Drill and Wire Gauge

Ⓐ **DUNLAP.** Enables you to quickly select right drill for each tap.
9 PC 4047—Sizes 1 to 60. **89c**
9 PC 4049—Jobbers' drill gauge. 1/16 to ½ in..... **89c**

Screw Pitch Gauge

Ⓑ **CRAFTSMAN.** 22 pitches for V threads, 9 to 40.
9 PC 4048..... **98c**

Center Gauge

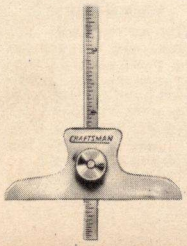
Ⓒ **CRAFTSMAN.** To check lathe centers, set screw cutting tools, etc.
9 PC 4064..... **45c**

Combination Rule

Ⓓ **DUNLAP.** Square, bevel protractor; circle finder, divider; drill point gauge. Graduated 32nds, 64ths.
9 PC 4026..... **89c**

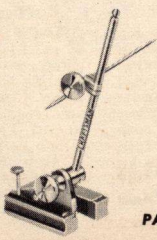
Pocket Magnifier

Ⓔ Makes small, difficult readings stand out. Lessens eye strain; makes for more accurate setting of precision tools. Highest quality 40-mm. lens; carefully ground and polished. Pocket size . . . in black plastic case.
9 PC 4076..... **79c**



Rule Depth Gauge

CRAFTSMAN. Makes a useful "T" square. 6-in. adjustable tempered steel rule graduated in 32nds, 64ths. 3-in. milled, ground base. Head has lines indicating 30°, 45° and 60° graduations.
9 PC 4044..... **$1.69**



Surface Gauge

CRAFTSMAN. 9-in. spindle; 5-in. scriber. Hardened steel base, 2¼x1½x¾-in. Base front slotted so spindle can be dropped down to allow use of tool as depth gauge. Spring control holds scriber and head at any point.
9 PC 4050..... **$2.95**

CRAFTSMAN THE GREATEST NAME IN TOOLS Welding Tools

Heavy Duty Industrial Welding Outfit

You take absolutely no chances when you purchase your welding outfit at Sears. If the CRAFTSMAN isn't the finest outfit you've seen ANYWHERE within $25 of this price return it and we will refund the purchase price. For only at Sears do you get triple assurance of quality construction. (1) Approved by Underwriters' Laboratories. (2) Made by world's leading manufacturers of professional welding tools. Bears factory Mutual markings. (3) Has to pass rigid factory tests. **Each outfit fully guaranteed.**

Recommended for all welding from sheet metal to tractors or farm machinery. Safe and dependable. Includes heavy duty 17½-inch solid bronze, non flash torch with 6-inch gooseneck and mixer; 5 one-piece solid drawn copper tips; solid bronze oxygen and acetylene regulators with **patented safety pressure relief device;** two 12½ feet lengths high pressure double fabric hose; 26 assorted welding rods; flux for all kinds of welding; lighter; 2 wrenches; Navy specification goggles and 224 page welders handbook. Used as cutting torch with 9PC5444 below.

99 PC 5442—$75 quality elsewhere.... **$48.50**

Jr. Soldering Outfit

CRAFTSMAN. Inexpensive outfit for use with Prest-O-Lite cylinders for burning paint, brazing, soldering, etc. Includes handle, three heating tips, soldering copper, paint burning tip, tank connections, tip cleaner, 5 ft. rubber hose, instructions.

9 PC 5446..... **$5.95**

Cutting Attachment

CRAFTSMAN. Use with 99 PC 5442 welding outfit listed above. Connect it to the welding torch in place of the mixer. Complete with wrench and No. B-3 tip. Will cut steel up to 1½-in. thick. With larger tips you can cut steel up to 6 inches thick.

9 PC 5444..... **$14.50**

Wire Brushes

Wire bristle will not come loose. For removing rust, paint, cleaning motors, etc. Hardwood handles. High carbon steel wire.

Ⓐ **9 PC 3668** — Long handle type.... **19c**

Ⓑ **9 PC 3669** — Shoe handle type.... **23c**

Blow Torches

$4.75

CRAFTSMAN Blow Torch
Beats U. S. Navy Specifications

Matching quality elsewhere costs $6.00. **Stronger than required by U. S. Navy specifications.** 20-gauge seamless brass tank stands over 5 times normal pressure. Chromium plated. Lead coated steel bottom—corrugated for strength. Solid bronze burner, ⅞-in. opening. Generates steady blue 2000° flame in any weather. Pump has automatic check valve. Replaceable self-cleaning needle valve. Cool plastic handle. **$4.75**
9 PC 5544—1-qt. capacity.....

FULTON Gasoline Blow Torches

Dependable blow torch that generates a steady blue flame of 2000°. Non-clog needle valve. Leak-proof 1-pc. pump. Solid bronze drip cup. Lead coated reinforced tank.
9 PC 5424—1-pint capacity..... **$2.59**

DUNLAP Torch

9 PC 5426—1-qt. capacity. With highly polished solid brass tank..... **$3.65**

CRAFTSMAN
200-Watt
Heavy Duty Iron

Ⓐ Similar quality elsewhere, $8.00. Approved by Underwriters' Laboratories. Especially built for extra heavy duty. Genuine nichrome element encased in Alleghany stainless steel core, fully insulated with mica. 8-oz. adjustable ⅝-in. tip is made of solid copper. Extra large cooling fins keep the hardwood handle from heating. Chromium finish. 6-ft. asbestos rubber covered cord. For any 110-120 volt current.
9 PC 5383..... **$4.75**

150-Watt

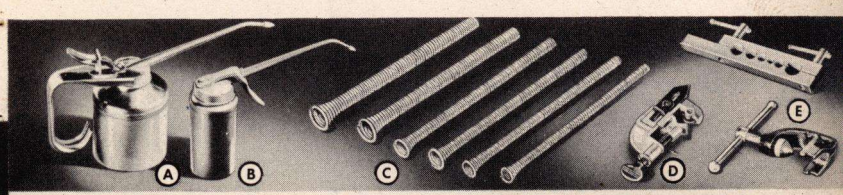
Ⓑ Same as above iron, smaller ⅜-in. tip. Ideal for all types of radio work, etc.
9 PC 5384..... **$4.50**

CRAFTSMAN
175-Watt

Ⓒ Regular $4.50 quality elsewhere. Approved by Underwriters' Laboratories. For heavy duty work. Genuine nichrome element wound on lava core. Chrome finished case and cooling fins. Hardwood handle. 5-oz. solid copper tip. 6-ft. asbestos rubber covered cord. For any 110-120 volt current.
9 PC 5406.... **$3.75**

DUNLAP
125-Watt

Ⓓ This quality elsewhere sells for $3.00. Approved by Underwriters' Laboratories. Genuine nichrome element wound on lava core. Instant heating. 2½-oz. solid copper tip. Rust-resisting chrome plated finish. Hardwood handle. 6-ft. asbestos rubber covered cord. For any 110-120 volt current.
9 PC 5402.... **$2.35**



DUNLAP Automotive Oilers

Compared to prices elsewhere, Sears low prices save you 30% on pump type oilers. The heavy duty pump forces a powerful stream of oil into the hard-to-get-at-places. Long spout enables you to work from almost any angle. Heavy gauge steel construction. All seams welded . . . leak proof. Bronze finish.

Ⓐ **9 PC 6531**—⅞-pt. capacity. Removable tip for larger stream.. **85c**

Ⓑ **9 PC 6544**—½-pt. capacity. Trigger type. Fits into pocket.. **85c**

Complete 9-Piece Flaring Tool Set

All the tools necessary for cutting, bending and flaring tubing from ¼ to ⅝-in. Does a speedy job without flattening or distorting.
9 PC 5531—9-Piece Set..... **$4.19**

Ⓒ **6-Pc. Tube Bender Set Only.** Special oil-hardened spring steel. Cadmium plated.
9 PC 5541—6-Pc. Set (Sizes ½ to ⅝ in.)..... **$1.49**

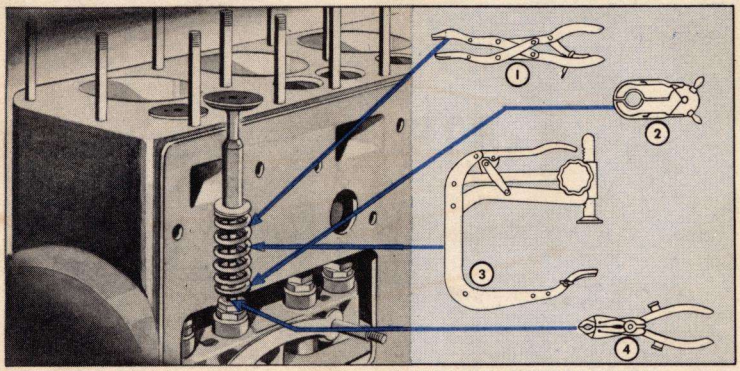
Ⓓ **Tubing Cutter Only.** Tool steel blade.
9 PC 5533—No ragged edges..... **1.09**

Ⓔ **Flaring Tool Only.** Flaring yoke and bar.
9 PC 5535..... **1.75**

HANDY HINTS to Take the

On pages 38 and 39 you will find the right tool for all the special jobs shown below. Actual shop experience has proved DUNLAP valve servicing tools to be efficiently designed for their particular purposes. All are ruggedly built to handle the heavy duty work for which they are intended. Each tool is properly shaped and balanced to grip firmly without the danger of slipping. Maximum safety is always assured.

L-HEAD AND VALVE-IN-HEAD MOTORS



VALVE LIFTING. Use 4653 valve lifter (1) on most L-head motors. Use 4652 hi-offset valve lifter (page 38) for fast under-fender operation. Auxiliary jaws swing into position for motors having unusual tappet-to-spring clearance such as Chrysler C-7, DeSoto S-1, Dodge trucks and others. Total parallel lift, 3 in. For Ford A and B models use 4654 lifter (page 39). These lifters are all automatic in action.

VALVE SPRING COMPRESSING. Use spring compressor 4657 (3) on most L-head and valve-in-head motors. **Will not service Cadillac, LaSalle or Lincoln V-motors.** For extra low hung manifolds use 4657 compressor with 4673 jaws (page 38). For Chevrolet "Master" and "Standard" use compressor 4658 (page 38).

HANDLING KEEPERS. When raising valve springs catch keepers in 4676 receiver (2). High guard walls telescope when handles are compressed. Prevents keepers from falling into crank case. An extra safety feature. Install keepers with 4675 valve keeper inserter (4). Self-supporting on valve stems allowing free use of hands.

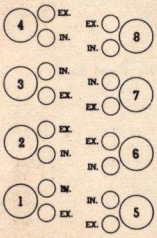
HANDLING PISTON RINGS. Remove and install all rings with 4677 piston ringer (page 38). Handles the compressing and expanding of all type rings up to 4 in. in diameter. When handles are compressed ring is expanded and easily removed. Stretched rings and cut fingers can now be avoided.

DRIVING GUARDS. Drive out "frozen" valve guides on Ford A and B models with 4659 valve guide driver (page 38).

SPECIAL INFORMATION

Grinding Valves. To grind valves and adjust tappet clearances correctly the camshaft must be in such position that the push rod for each valve rests exactly on the heel of the cam for the valve as it is worked on. The position of the camshaft is indicated by the open position of certain combinations of valves. In the camshaft chart (see below) are shown the 3 camshaft positions for the Ford V-8-60, Ford V-8-85 and Ford V-8-95 (Mercury) motors.

DIAGRAM OF VALVES AND CYLINDERS



Stem-To-Tappet Clearance

The valve stem to tappet clearances must be adjusted to .0125 in. (low) . . . .0135 in. (high) in Ford V-8-60, Ford V-8-85, and Ford V-8-95 (Mercury) to date and in Lincoln-Zephyr up to 1938. (In 1938, Lincoln-Zephyr adopted hydraulic valve lifters which have a tolerance of 0-in.). It is absolutely essential that these clearances be accurately established to turn out a smoothly idling motor. To establish them it will be necessary to grind off the end of the valve stem. For this purpose, the manufacturer of your valve refacer can furnish a micrometer depth gauge and a grinding adapter for your refacer. Stems must be ground square or valve noises will develop. The chart on camshaft positions will be found helpful.

Valves can be ground and tappet clearances established by using this chart in connection with diagram at left below. When grinding Lincoln-Zephyr valves turn the crankshaft until one piston is on top dead center of compression stroke. Grind valves and establish tappet clearances for the 2 valves of this cylinder. Follow through on all cylinders in their regular firing order (1, 4, 8, 5, 2, 3, 6, 7) until all are completed.

CAMSHAFT POSITION CHART

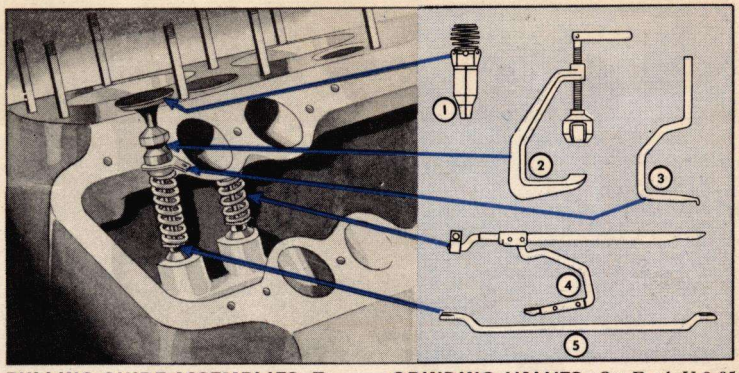
Valves Open	Valves in Position to Grind
4 ex. and 1 in.	3 ex., 8 in., 6 in., 7 ex., 3 in., 2 ex.
3 ex. and 8 in.	1 ex., 7 in., 5 ex., 2 in., 4 ex., 1 in.
1 ex. and 7 in.	8 ex., 5 in., 6 ex., 4 in.

Feeler gauges for establishing tappet clearances will be found on page 32. Tappet wrenches on page 29.

Hard Work Out of Valve Servicing

If you use the right tool for each operation you will promote greater efficiency . . . reduce fatigue . . . eliminate the possibility of broken parts. With the right tools you will be able to turn out a greater volume of work in a given time . . . assuring yourself more profit on every job. Compare our prices. See how much you save when you buy all your DUNLAP valve servicing tools at Sears.

FORD-BUILT MOTORS



PULLING GUIDE ASSEMBLIES. Easy, safe way to pull "frozen" guide assemblies on Ford V-8-85, Mercury and Lincoln-Zephyr motors is to use 4665 valve guide puller (2). For Ford V-8-60 use 4566 (page 39). Complete valve servicing bulletin showing procedure, tolerances, clearances, etc. with each set.

REMOVING GUIDE RETAINER. Use 4662 driver (3), or 4660 driver (page 39). Correctly designed drop forged tools.

LIFTING VALVE SPRINGS. On Ford V-8-85, Mercury and Lincoln-Zephyr motors use 4655 bar lifter (5). On Ford V-8-60 use 4656 lifter (page 39).

HANDLING PISTON RINGS. Remove and install piston rings safely with 4677 piston ringer (page 38).

GRINDING VALVES. On Ford V-8-85, Mercury and Lincoln-Zephyr valves use 4663 valve grinding bushing (1). Also used in place of guides when establishing stem-to-tappet clearance. With mechanical grinders use 4669 adapter (page 39). On Ford V-8-60 valves use 4664 bushing and 4668 grinder (page 39).

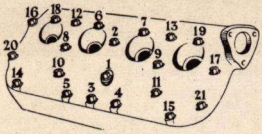
REPLACING GUIDE ASSEMBLIES. On Ford V-8-85, Mercury and Lincoln-Zephyr motors use 4678 valve replacing tool (4). This tool must not be used to remove "frozen" guides. Although bar lifter 4655 (5) will do equally well.

HANDLING PISTON PINS. To remove and install center-ring lock pin in Ford V-8-85, Mercury and Lincoln-Zephyr use 4670 piston pin tool (page 39).

ON FORD-BUILT MOTORS

Checking Valve Timing. To check the timing gears with the valve action, remove the starting motor and crank the engine until piston No. 1 is at top dead center of the exhaust stroke. Place a mark on the flywheel and a corresponding mark on the housing. Turn the flywheel counter clock-wise until the intake valve is closed. Then turn it slowly clockwise until the intake valve just starts to open. If the intake valve starts to open approximately 3 flywheel teeth past your mark on the housing, you will then know that the gear timing is correct.

Eliminating Valve Noises. Before you start to reassemble the engine it is always advisable to stop and correct any of the following operations listed below. If not properly taken care of they may be the cause of noisy and inefficient valve action later.

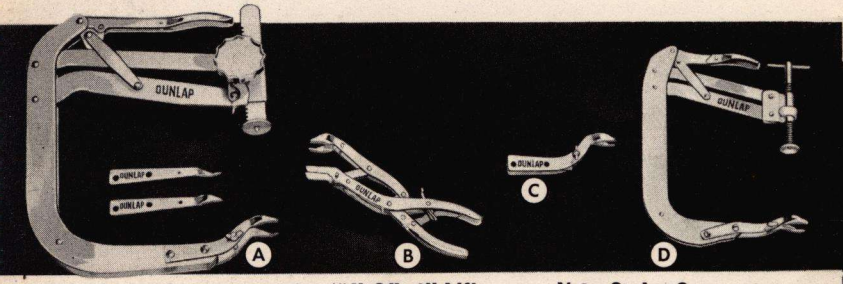


Cylinder Head Nuts

To obtain correct factory pressure in tightening cylinder head nuts, a torque wrench must be used. (See page 11). Care must be exercised, or wrinkled gaskets and distorted cylinder heads will result. Tighten the nuts in order shown.

1. **Rough Push Rods.** After long service, the cam end of push rod may be worn and uneven. Examine both ends of push rod and if the wear is beyond repair, replace the rod.
2. **Valve Ends Not Ground Square.** When the ends of valves are not ground square in establishing tappet clearances the high side will cut through oil film between valve and tappet and produce a noisy "tap" on each lift.
3. **Cocked Guide Retainer.** When inserting valve guide retainers (late models) be sure retainer engages in slot of both halves of guides. If it does not, one half of the guide may move up and down with the valve and produce a noise.
4. **Valve Stem Guide Clearance.** Allow no more than .004 in. clearance between valve stem and guides. Poor performance and excessive oil consumption will result from "sloppy" guides. Recommended clearance, .0015 in. to .0035 in.
5. **Collapsed Valve Springs.** When valve springs have collapsed more than ⅛-inch in service they should be replaced. Also replace springs whose ends are out of square.

DUNLAP Valve Tools FOR ALL MAKES OF CARS



Valve Spring Compressor

Ⓐ **DUNLAP.** No better all-around spring compressor sold today. Services practically all L-head and valve-in-head motors, cars, trucks and many tractors. Quick, easy, one-man operation. Automatically locks; leaves both hands free to handle keepers. Tempered jaws adjustable to different springs with extra jaws. 10 x 10¼ inside.
9 PC 4657 ..... **$6.00**

"Hi-Offset" Lifter

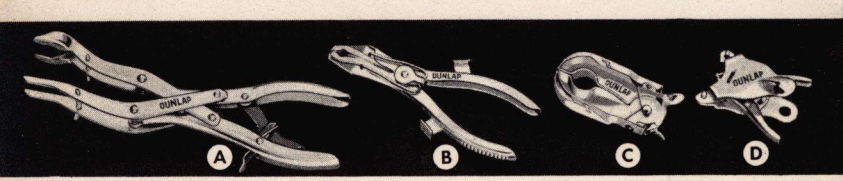
Ⓑ **DUNLAP.** For under-the-fender operation (with manifolds on) in late model L-head cars and trucks. 8¾ in. long. Total parallel lift, 3 in.
9 PC 4652 ..... **$1.45**

Extra High Offset Jaws

Ⓒ **DUNLAP.** For use with 9 PC 4657 on motors having unusually low hung manifolds. Adjustable.
9 PC 4673 ..... **60c**

Valve Spring Compressor

Ⓓ **DUNLAP.** A strong little compressor. 4¾ x 6¼ in. inside. Will service Chevrolet "Master" and "Standard." Also many L-head motors if manifolds are removed. Bar steel construction with adjustable plunger bar. Adjustable jaws, tempered and hardened. Overcenter lock allows free use of both hands when the spring is raised.
9 PC 4658 ..... **$2.55**



DUNLAP Valve Spring Lifter

Ⓐ A strong, dependable lifter for practically all L-head motors, old or new. Safety ratchet lock. Adjustable jaws. 10 inches long.
9 PC 4653 ..... **$1.85**

DUNLAP Valve Keeper Insert

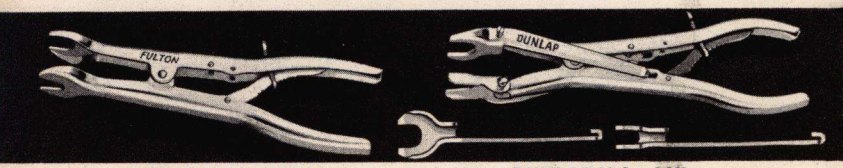
Ⓑ For installing slit keys on valve stems. Easy to load. Keepers held securely in jaws. Self supporting.
9 PC 4675 ..... **$1.00**

Valve Keeper Receiver

Ⓒ **DUNLAP.** Fits around tappets and prevents keepers from falling into crank case when spring is raised. High guard walls. Rugged steel construction.
9 PC 4676 ..... **60c**

Piston Ringer

Ⓓ Takes rings off pistons and puts them on. Avoids stretched rings and cut fingers. Handles all types of rings.
9 PC 4677 ..... **95c**



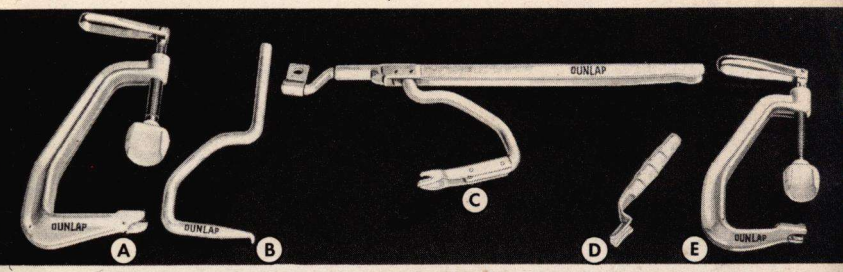
FULTON Valve Lifter

A good, dependable valve lifting tool that is an exceptionally good buy at this low money saving price. Strongly made to give long satisfactory service. The automatic locking device leaves both hands free to handle the keepers. Specially designed for use in L-head motors, however the jaws do not have parallel action. Cadmium plated to resist rust. Over-all length, 10 inches.
9 PC 4650 ..... **35c**

DUNLAP Valve Lifter

A valve lifter that is a favorite in thousands of garages and shops all over the country. Just right for old model cars with valve assembly exposed. Over-all length, 11 in. Safety ratchet lock leaves both hands free to handle the keepers. Interchangeable jaws have been tempered and hardened to stand up under hard use and severe strain. Parallel jaw action for compressing stiffest springs. Complete with four jaws.
9 PC 4651 ..... **93c**

DUNLAP Valve Tools FOR FORD MADE CARS



DUNLAP Valve Guide Puller Set

(A)(B) A complete set (includes both A and B) for Ford V-8-85, Mercury, Lincoln Zephyr motors. Set pulls valve assemblies no matter how tightly they may be stuck with carbon. Does it without damage or delay. For complete job, both puller and driver are required. Powerful puller made of drop forged steel, hardened tool steel jaw plate.

9 PC 4665—Complete set..... **$7.50**

(B) **9 PC 4662—Guide Retainer Driver** only. Tempered steel..... **$1.00**

Valve Assembly Replacing Tool

(C) **DUNLAP**. Strong and dependable. For replacing guide assemblies but MUST NOT be used to remove guides.

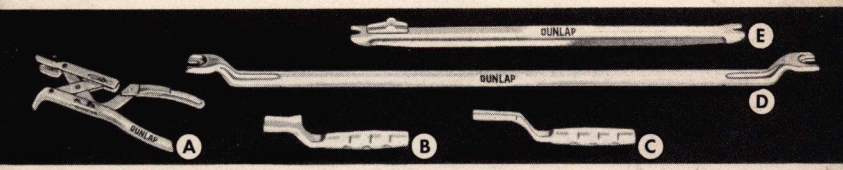
9 PC 4678..... **$2.30**

DUNLAP Valve Guide Puller Set

(D)(E) A complete set (includes D and E) for servicing Ford V-8-60 motors only. Same type construction as 9 PC 4665 puller. Never fails!

9 PC 4666—Complete set..... **$7.00**

(D) **9 PC 4661—Guide Retainer Driver** only. Tempered steel..... **$1.00**



DUNLAP Valve Lifter

(A) For Ford Models "A" and "B".
9 PC 4654—Parallel jaw action..... **75c**

DUNLAP Valve Guide Driver

(B) For Ford V-8-85 and Lincoln Zephyr. Drives guides down far enough to permit removal of retainer but will not pass through valve bore. Can NOT be used on late model cars with heavy valve springs.

9 PC 4660..... **$1.00**

(C) For Ford Models "A" and "B".
9 PC 4659..... **$1.00**

Bar Type Valve Spring Lifter

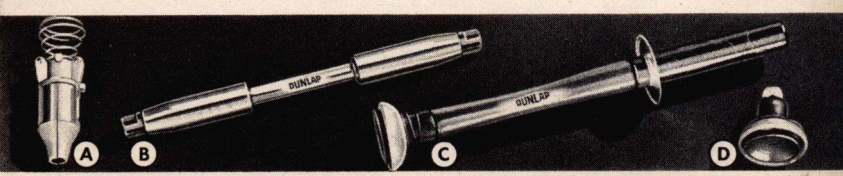
(D) **Chrome vanadium steel.** Identical jaws on each end forged to exact dimensions. Give tool double life. Used to service springs and fit flanges on valve guides to pull them down when installing keepers. For Ford V-8-85, Mercury and Lincoln-Zephyr.

9 PC 4655—30 inches long..... **$1.85**

DUNLAP Channel Steel Lifter

(E) For valve spring and two-piece guide service. For Ford V-8-60 only.

9 PC 4656..... **90c**



DUNLAP Valve Grinding Bushing

(A) For Ford V-8-85, Mercury, Lincoln-Zephyr. Split valve guides are awkward to handle when grinding valves or establishing stem to tappet clearances; make the job easy.

9 PC 4663..... **75c**

9 PC 4664—For Ford V-8-60 only..... **75c**

DUNLAP Piston Tool

(B) For Ford V-8-85, Mercury, Lincoln Zephyr motors which use split ring center block. Tapered end expands split ring in rod for installing and removing pin.

9 PC 4670..... **$2.30**

DUNLAP Vacuum Cup Grinder

(C) For Ford V-8-85, Mercury, and Lincoln-Zephyr motors. Use for hand grinding. Coil spring keeps metal retaining ring in position over valve head; prevents cup from slipping off the valve while grinding.

9 PC 4667—1⅜-inch diameter..... **40c**

9 PC 4668—As above only 1 1/16-inch diameter for Ford V-8-60 only..... **40c**

DUNLAP Valve Grinding Attachment

(D) For use with mechanical valve grinder. Self centering rubber cup.

9 PC 4669—Diameter 1⅜-inch..... **35c**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

Body and Fender Tools

The toughest job becomes routine with these basic tools. Scientifically shaped to fit any of the curves on the new streamlined models. Faces ground and oil polished with utmost care to give smoothest surface possible. Each tool gauged after polishing to insure correct radii of curves. Drop forged from finest steel. Highest quality obtainable.

Moulding Dolly

Ⓐ A good basic tool. Curved face for finishing dented window reveals, headlight shells, beaded doors, panels, etc.
9 PC 4561 ..... $1.35

Turret Top Dolly

Ⓑ For turret top roof crowns. Also for fenders with rolled edges and beads. Use narrow end as back up inside of mouldings.
9 PC 4565 ..... $1.45

Long Nose Spoon

Ⓒ Taper wedge. For narrow openings in trunk lids, door panels, etc. Also handy for driving out roof rails, etc. 7¼ x 1¼-in. tapered thin nose.
9 PC 4562 ..... $1.45

High Crown Spoon

Ⓓ Shaped to fit new body contours. High crown driving spoon for turret tops, cowl panels, etc. Also for wedging.
9 PC 4564 ..... $1.60

Driving Spoon

Ⓔ Heavy duty driving spoon for prying out door panels and inside of trunks. 14¾-in. overall. Driving nose, 8 x 1¾-in.
9 PC 4563 ..... $1.60

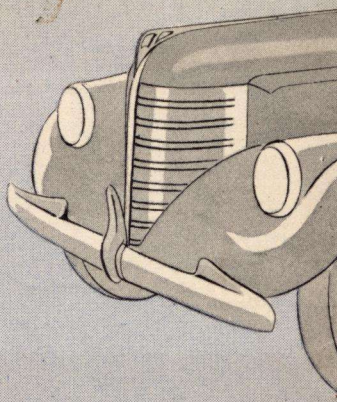
16-in. Hex. Lever

Ⓕ For extra reach into hard-to-get-at-places. Attaches to dollys and spoons. For angle contact attach to 9 PC 4559.
9 PC 4560 ..... $1.15

Offset Attachment

Ⓖ Key pin shaft for attaching dolly and spoons for proper angle contact to any dented surface.
9 PC 4559 ..... 95c

How to Make



① Dents over roof rails in door posts, doors and panels may be levered out by attaching Bar 4560 to Spoon 4562. When angle contact is necessary attach offset post. This provides necessary reach and leverage and angle contact to work all dents.

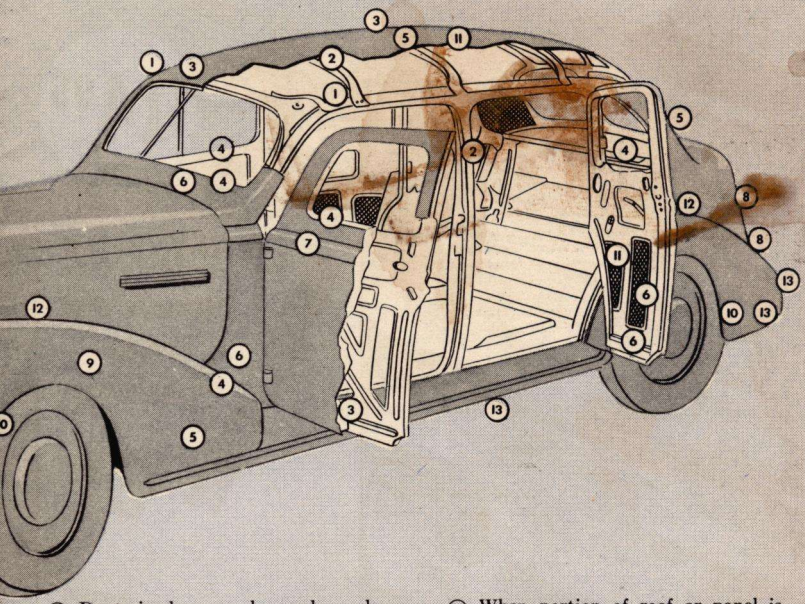
② Lever out dents over cross bows, brackets, posts with offset 4559 and spoons 4562 attached to lever 4560. Smooth and finish the dents with hammers 4552, 4551 or 4557 (Page 43).

③ For dents in roof flare or along door panel or roof edges use aligner 4567 (Page 42). Pry or use with hammer. To straighten drip molding use 4567 and hammer 4551. Finish flare dents with hammer 4553 (Page 43).

④ On window reveal dents use dolly 4561 and as a hand dolly on "V" crowned surface dents. For finishing use hammer 4554 (Page 42).

⑤ Severe fender, roof or body dents should be roughed out with hammer 4575 (Page 43). With short handle straight and cross pein almost all surfaces can be reached.

Body and Fender Repairs



⑥ Dents in door panels, cowl panels, cowl body, over brackets, roof rails, etc., are worked out with either the Heavy Duty Driving Spoon 4563 or the High Crown Driving Spoon 4564, depending upon the surface contour. Designed to work out the tough, hard-to-reach dents which lighter spoons will not effect. Built to stand rough usage.

⑦ Dented beads and mouldings are worked out with hammers (Page 43) 4556 for narrow beads; 4555 for wide beads. In most cases finish with dolly 4561 and hammer 4556, the square face being particularly adaptable in following flush to bead or moulding.

⑧ Rear aprons and trunk lids are difficult to work. Offset 4559 and spoon 4562 attached to lever 4560 give contact and leverage needed. In some cases use spoon 4564 or 4563.

⑨ Dents in deep skirted fenders and deep skirted tire wells require dolly 4561 attached to lever 4560. Use wing face of dolly on skirt; curved face in wells. Hammers (Page 43) used are 4557, 4553 or 4552.

⑩ Damaged rolled edges of fenders are worked out with dolly 4565 using hammer (Page 43) 4550 or 4551. Dolly 4565 fits fender crowns perfectly. When working deep skirts attach to lever 4560.

⑪ When portion of roof or panel is to be removed use panel slitting chisel 4566 (Page 42) with hammer 4551 (Page 43). Insert hole with wedge tip of chisel, then with the hook or cutter inserted slit out metal by striking end with hammer. Will cut straight, circular or flush to bead.

⑫ For dents in "V" crowned surfaces or when close to wheelhousing or body, use offset hammer 4558 (Page 43). Dolly 4561 is the right type for working out "V" crowned surfaces.

⑬ To cold straighten bumpers, brackets, fenders, powerful leverage is needed. 4571, twin hook double fulcrum Bending Bar (Page 42) with detachable 20-inch seamless tube handle will do these jobs easily and quickly. Designed for both light and heavy leverage.

No fender tool line is complete without the standard toe, heel, and rail dolly. These types are available and can be purchased under Nos. 4581, 4582, 4583 (Page 42). In order to turn out a first class body and fender job you will also need the two body files 4572 and 4577 listed on page 42. Adjustable to all positions and body surfaces.

Straighten all bumpers and brackets with heavy duty bending bar 4571 illustrated and described on Page 42.

CRAFTSMAN Body Tools

THE GREATEST NAME IN TOOLS

$14.95

11-Piece Body and Fender Set

A well balanced set like this would cost you at least $20.00 anywhere else. Mechanics will find in this carefully selected set a profitable investment. It contains all the tools necessary to do the most difficult repair jobs with the maximum of ease and efficiency. Scientifically designed to fit all the new curves. All parts drop forged from the finest steel, treated to insure correct hardness and ability to stand up under hard use. Working surfaces accurately ground and polished.

9 PC 4574—11 Piece Set.....**$14.95**

CRAFTSMAN
THE GREATEST NAME IN TOOLS

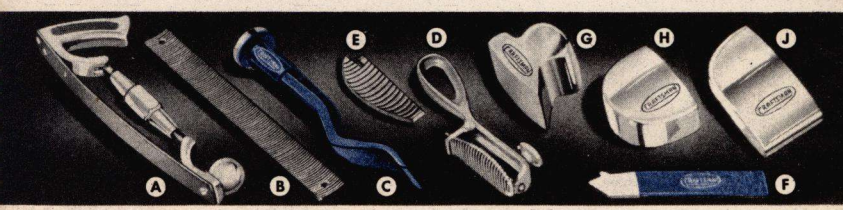
Bumper and Bracket Straightener

$3.95

Heavy duty bending bar for straightening all types of fenders, bumpers and brackets.

Long 20-inch handle for powerful leverage. Designed to stand up under the heaviest kind of work. No attachments necessary. Leather pad prevents scratching or marring painted and polished surfaces. Over-all length, 25 inches.

9 PC 4571.....**$3.95**



Ⓐ **Adjustable File Holder.** Rigid construction. Uses 12 to 14-in. files. Easily adjusted. Comfortable grip.
9 PC 4572.....**$2.75**

Ⓑ **Vixen Body File.** Highest quality alloy steel. Machined milled teeth.
9 PC 4576—Length, 14 in.....**$2.15**

General Purpose File. Good quality.
9 PC 4573—Length, 14 in.....**98c**

Ⓒ **Aligner.** For straightening drip mouldings, roof edges, etc.
9 PC 4567.....**$1.35**

Ⓓ **Reveal File Holder.** With file.
9 PC 4577.....**$1.50**

Ⓔ **File Only.** For above holder.
9 PC 4578—Flat round corner.....**50c**

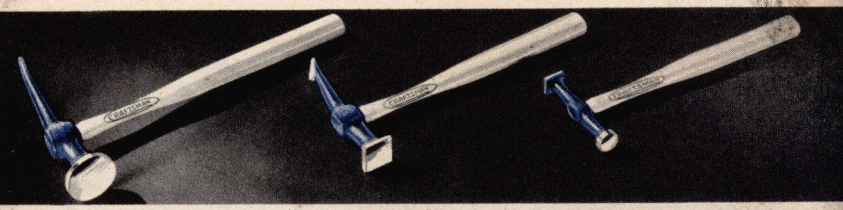
Ⓕ **Panel Slitting Chisel.**
9 PC 4566—Heavy duty.....**75c**

Ⓖ **Universal Dolly.** 3x2½x2¼-in.
9 PC 4583—2½ lbs.....**$1.75**

Ⓗ **Heel Dolly.** 4⅜x2⅜x1-in.
9 PC 4582—2¾ lbs. Forged steel.**$1.19**

Ⓙ **Toe Dolly.** 2⅜x3¼x1½-in.
9 PC 4581—2½ lbs. Forged steel.**$1.19**

CRAFTSMAN THE GREATEST NAME IN TOOLS Body Hammers



Pecking Hammers

For finishing off dents, etc. 8¼-in. forged steel head. Round face, 1⅞-in. in diam. 5-in. offset pecking pein. White hickory handle.
9 PC 4557—Wt., 15 oz. **$1.19**

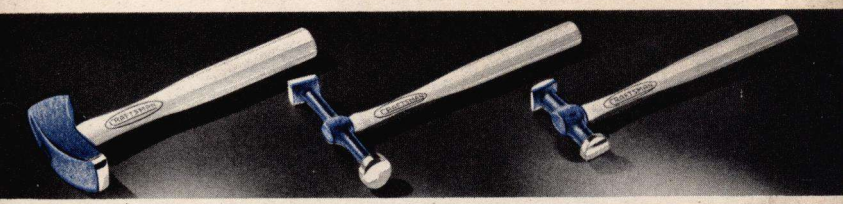
9 PC 4580—For low spot work. 5½-in. head. Round face, 1⅜x3-in. pecking pein. Wt., 7 oz..... **98c**

Moulding Hammer

Designed for use in straightening out dented beads and mouldings. Drop forged steel. 9-oz. cross pein, ⅞ x ⅛ inch. 1¼-in. highly polished square face for finishing work. Head, 5¾ inches long. 3-inch offset pein. Well balanced white hickory handle.
9 PC 4556..... **$1.00**

Finishing Hammer

⅞x3/16-inch round face and ⅜-in. square face heads have highly polished surfaces which eliminate the hazard of stretching soft metal. Drop forged from finest steel. 5-ounce weight for perfect dent control. Well balanced highest quality hickory handle.
9 PC 4554..... **79c**



Bumping Hammer

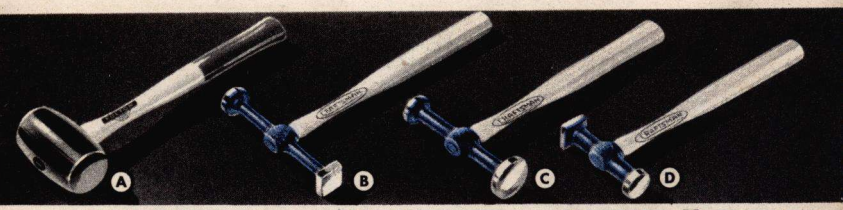
Weight, 2½ lbs. For use on severe fender, roof or body dents and all types of bumping operations as the wide, curved contours fit practically all parts of body. Cross pein, 1⅝x¾ in. Straight pein, 1⅞x⅞ in. Drop forged steel for strength. Perfectly balanced hickory handle.
9 PC 4575..... **$1.65**

Offset Hammer

Designed for smoothing out severe dents in "V" crowned surfaces or when working close to wheel housing or body. Drop forged steel. Highly polished working surfaces. Large round face, 1¼x3/16 inch. Small square face, 1⅛x3/16 inch. Heads set at an angle. Balanced hickory handle.
9 PC 4558..... **$1.19**

Flare, Bead Hammer

Another ideal hammer to use for pounding out dents in beads and mouldings. Correctly styled for highest degree of efficiency and accuracy on the new model cars. 5-oz. forged steel head, 4 inches long. Flare face and bead face, each 1⅛x1 inch. Balanced white hickory handle.
9 PC 4555..... **98c**



Rubber Mallet

Ⓐ Every auto mechanic should have these hammers. Solid 12-oz. composition head. Will not flare, chip or become spongy. Built to stand all sorts of abuse. Oil and waterproof. Excels hickory for durability. Head securely fastened; will never come off. 10-in. wooden handle.
9 PC 4579..... **79c**

Ding Hammers

Ⓑ For fender, bracket post, cross bow, and crown dents. 10-oz. size. Square face, 1 in.; round face, 1¼ in. Head, 6 in. long. Drop forged steel.
9 PC 4553..... **98c**

Ⓒ **9 PC 4552**—13-oz. size Two round faces, 1¾ in., and 1¼ in. Head, 5½ in. long..... **98c**

Bumping Hammers

Ⓓ For taking out fender dents on late model cars having lighter weight steel. 10-oz. size. Square face, 1⅛x3/16 inch; round face, 1¼x3/16 inch. Length of head, 4 in. Forged steel.
9 PC 4550..... **75c**

9 PC 4551—14-oz. size. Square face and round face, each 1¼x3/16 in... **85c**

CRAFTSMAN Tool Chests

THE GREATEST NAME IN TOOLS

This chest is specially designed to fit on top of roller cabinet 99 PC 4360 as illustrated on the back cover.

$19.50

Heavy duty drawers glide smoothly and without effort on easy action slide rails. Exclusive CRAFTSMAN feature.

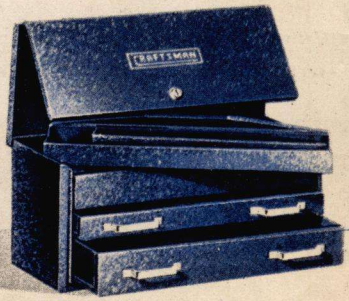
Top drawer padded with heavy green felt. Prevents rust, marring and damage to expensive precision tools.

Built to Hold 150 to 200-Piece Wrench Set

Super deluxe tool chest possessing all the requirements necessary to meet the most exacting demands of professional mechanics. The removable tote tray . . . folding drop front for complete tool protection . . . reinforced steel construction . . . are but a few of the features that justify the CRAFTSMAN as America's No. 1 tool chest. Sturdily built to give a lifetime of service. Three drawers provide ample room to keep all your tools segregated for maximum working convenience. Drawers will not pull out or sag under a full load. Chest can be carried about comfortably without disarranging tools by means of two sturdy trunk handles.

Dimensions: Chest 12-3/4x25-1/4x14 in. Drawers, 11-1/4x22-3/4 in. Tote tray, 8x20x3 in. deep.

99 PC 4382—With double duty cylinder lock and two keys **$19.50**



Holds 100 to 150 Pieces

Large and strong enough to hold the most complete assortment of tools any mechanic might need on any job. Heavy sheet steel construction with chest handles on end. Has two extra deep drawers that glide smoothly and without effort on easy action slide rails, and one tote tray, size 5½x 8 in. Over-all size, 10x10x22 in. Attractive rust resisting blue crackle finish. Complete with cylinder lock and two keys for positive tool protection.

99 PC 4375 . . . . . **$10.50**

Holds 75 to 100 Pieces

A real CRAFTSMAN bargain at Sears sensational low price. Rugged sheet steel construction with easy-grip handle for carrying about. Has two deep drawers (one divided for sockets) and one tote tray. Chromium plated drawer handles. Over-all dimensions, 8½x8½x19 inches; large enough for 75 to 100 pieces. Complete with double duty cylinder lock and two keys. Safe storing of tools is thus assured. Heavy, durable blue crackle finish.

99 PC 4358 . . . . . **$7.45**

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VALVE TAPPET WRENCH CHART

SIZE OF WRENCH OPENINGS NEEDED

Service Chart for 1930 to 1941 Cars

Make of Car	Model	Size Wrench				
		3/8 x 7/16"	1/2 x 9/16"	9/16 x 21/32"	5/8 x 11/16"	3/4 x 7/8"
Auburn	1930–'34		2			1
	1935–'37		2			1
Buick	1930–'41		1*			
Cadillac	1930–'38		1*			
Chevrolet	1930–'41				1*	
Chrysler	1930–'36		3			
	1937–'41	1	1			
DeSoto	1930–'34		3			
	1935–'36		3			
	1937–'41	1	1			
Dodge	1930–'34		3			
	1935–'40		3			
	1941	1	1			
Graham	1930–'41		3			
Hudson	1930–'41		2		1	
Hupmobile, 6	1930–'36		2			1
8	1930–'34		3			
8	1935–'36		3			
6 & 8	1938–'39		3			
Lafayette, (Nash)	1934–'40		3			
La Salle	1930–'38		1*			
Lincoln	1930–'37		3			
Zephyr	1936–'37		3			

*with Screw Driver

Make of Car	Model	Size Wrench			
		9/16 x 7/16"	7/16 x 1/2"	1/2 x 9/16"	5/8 x 11/16"
Nash 6 and Std. 8	1930–'34			2	
Nash Adv. 8	1930–'34			1*	
Nash Ambsdr. 8					
Nash Ambsdr. 600	1941	1		1	
Nash All other 6 and 8	1934–'41			1*	
Nash Lafayette	1934–'35			3	
	1936–'40			3	
Oldsmobile	1930–'39			3	
	1940–'41	1		1	
Overland	1939			3	
Packard	1930–'40			3	
	1941	1		1	
Pierce Arrow	1930–'37			2	1
Plymouth	1930–'40			3	
	1941	1		1	
Pontiac	1930–'41			3	
Reo	1930–'36			3	
Studebaker Dictator	1930–'33			2	1
Studebaker Comm., Pres.	1934–'38			2	1
Studebaker All Above	1934–'38			2	1
Studebaker Champion	1939–'41			3	
	1941			2	
Stutz	1930–'36			2	1
Terraplane	1933–'39			2	1
Willys	1931–'40		1	2	
	1941			3	

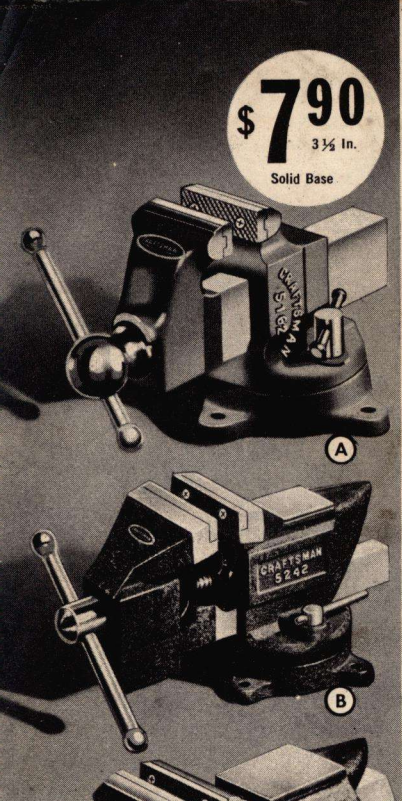
*with Screw Driver

HEXAGON SOCKET TABLE

STANDARD SIZE OPENINGS

Size of Openings in Inches	S. A. E. Nuts & Bolts	U. S. S. Nuts	U. S. S. Cap Screw	Amer. Std. Nuts	Amer. Std. Cap Screw
3/16					
7/32					
1/4					
9/32					
5/16		1/8	1/8		
11/32					
3/8			3/16		
7/16	1/4		1/4	1/4	1/4
1/2	5/16	1/4	5/16		5/16
9/16	3/8		3/8	5/16	3/8
19/32		5/16			
5/8	7/16		7/16	3/8	7/16
21/32					
11/16		3/8			
3/4	1/2		1/2	7/16	1/2
25/32		7/16			
13/16			9/16	1/2	9/16
7/8	9/16	1/2	5/8	9/16	5/8
15/16	5/8			5/8	
31/32		9/16			
1"	11/16		3/4		3/4
1 1/16	3/4	5/8			
1 1/8			7/8	3/4	7/8
1 3/16	13/16				

Size of Openings in Inches	S. A. E. Nuts & Bolts	U. S. S. Nuts	U. S. S. Cap Screw	Amer. Std. Nuts	Amer. Std. Cap Screw
1 1/4	7/8	3/4	1"		
1 5/16				7/8	1"
1 3/8			1 1/8		
1 7/16	1"	7/8		1"	
1 1/2			1 1/4		1 1/8
1 5/8	1 1/8	1"	1 3/8		
1 11/16				1 1/8	1 1/4
1 3/4					
1 13/16	1 1/4	1 1/8			
1 7/8				1 1/4	
2"	1 3/8	1 1/4			
2 1/8					
2 3/16	1 1/2	1 3/8			
2 1/4				1 1/2	
2 3/8		1 1/2			
2 1/2					
2 9/16		1 5/8			
2 5/8				1 3/4	
2 3/4		1 3/4			
2 15/16		1 7/8			
3 1/8		2"			
3 1/4					
3 1/2		2 1/4			



CRAFTSMAN
THE GREATEST NAME IN TOOLS

Garage and Machinist Vises

Only finest materials and expert workmanship are used in making CRAFTSMAN vises. They challenge comparison in long life service, value, and guaranteed satisfaction. *Be sure to make your next vise a CRAFTSMAN.*

CRAFTSMAN Machinist Vises

Ⓐ ***Unconditionally guaranteed 10 years. Priced to save you 30% over prices others ask for similar quality.*** Built for heaviest work. Semi-steel construction—reinforced at all points of strain. Replaceable knurled tool steel jaws. Husky milled slide bar; slides easily, jaws won't wobble. Swivel base has 3-point contact, securely locks in any position.

Number	Jaws, In.	Open to	Type Base	Others Ask	Sears Price
99 PC 5151	3½	5 in.	Solid	$11.25	$7.90
99 PC 5152	4	6 in.	Solid	12.75	8.90
99 PC 5153	4½	6½ in.	Solid	15.50	10.85
99 PC 5154	5	7½ in.	Solid	20.00	14.00
99 PC 5161	3½	5 in.	Swivel	15.00	10.50
99 PC 5162	4	6 in.	Swivel	17.00	11.90
99 PC 5163	4½	6½ in.	Swivel	20.00	14.00
99 PC 5164	5	7½ in.	Swivel	30.00	21.00

CRAFTSMAN Garage Vise

Ⓑ No finer made regardless of price. Bigger—heavier—stronger. Famous Max-El alloy tool steel jaw faces, oil tempered and hardened. Semi-steel body reinforced at all points of strain. Cold rolled steel beam fits snugly, slides easily—jaws won't wobble. Positive locking 360° 3-pt. contact swivel base. Removable heat treated malleable iron pipe jaws. 3-inch jaws. Opens to 4 inches.

99 PC 5240 ..... $2.75

CRAFTSMAN 2-in-1 Vise

Ⓒ The ideal general purpose vise. Double swivel action. Base and head locks in any position. Actually two vises in one. One set of jaws on swivel head for regular work and another set of V jaws for holding cylindrical objects from 1½ to 4½ inches in diameter, such as pipe, pistons, etc. 3½-inch jaws. Opens to 4¼ inches.

99 PC 5241 ..... $8.95

HY-TEST Hoist..33% Easier Lift

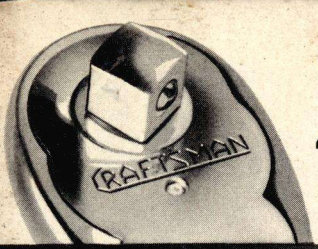
You can't buy a better differential chain hoist. Torrington bearings in lower sheave. Timken bearings in swivel hook. Continuous slack chain. Holds load at any point.

99 PC 7885—Cap., ¼-ton. Lift, 6-ft.... **$9.25**
99 PC 7886—Cap., ½-ton. Lift, 7-ft.... **11.75**
99 PC 7887—Cap., 1-ton. Lift, 8-ft.... **16.45**
99 PC 7888—Cap., 1½-ton. Lift, 8½-ft.. **22.50**

CRAFTSMAN General Purpose Chain

Meets U. S. Government specifications. For towing, tying, dragging, lifting motor, etc. ⅝-inch husky, open hearth steel links, electric welded for additional strength. Forged steel slip and grab hooks; swivel center prevents kinks and lessens strain. Tested to a breaking strain of over 5000 pounds. 12 feet long.

99 PC 7739 ..... $1.23



CRAFTSMAN
THE GREATEST NAME IN TOOLS

48-Piece Super De Luxe Socket Wrench Set

$26.50

Tops for Appearance and Service

Here is the niftiest set of socket wrenches ever produced. Look at those beautiful shock-proof, shatter-proof amber handles . . . the trim, but tough, chromium plated sockets . . . the handsomely finished hip-roof tool box. Yes sir! The CRAFTSMAN will make as beautiful and practical a set of tools as you will ever want for any purpose. All parts forged from famous **special alloy** steel, strong, tough, long wearing. Known to mechanics as one of the strongest wrench steels. Heavily plated with industrial type chromium.

We suggest you go to your nearest Sears store today and see this wonderful new set. Examine it closely. Notice the cleanly broached sockets . . . the superior workmanship. You'll agree the CRAFTSMAN is America's most outstanding socket wrench set . . . unsurpassed for quality, long service and unusual value. For further details and complete description turn to page 6.

99 PC 4372 . . . . . $26.50

CRAFTSMAN

THE GREATEST NAME IN TOOLS

Master Mechanics Roller Cabinet

Eight section top drawer segregates all of your small important tools.

Positive locking steel door safeguards all your tools at night.

Built for Those Who Want the Best

$29.50

At Sears amazing low price every mechanic can afford to own a Super Deluxe storage cabinet. **Bigger . . . stronger . . . roomier than other makes selling up to $40.00.** Enough space has been provided for all your tools and the three divided drawers keep the important items available right at your fingertips. Heavy gauge steel cabinet doubly reinforced at corners and ends. Rolls easily and silently on smooth running, heavy duty, 3-in. rubber tired casters. Top specially designed to accommodate CRAFTSMAN Deluxe tool chest 99 PC 4382, described on Page 44. **Dimensions:** 17 in. deep; 25 in. wide; 32 in. high. Two drawers 15½x19¾x3 in.; one drawer 15½x19¾x4½ in. Bottom compartment, 17x25x10 in.

99 PC 4360—Cabinet as illustrated..... **$29.50**

With tool chest 99 PC4382 (page 44) your cabinet will look like this.

SEARS, ROEBUCK AND CO.